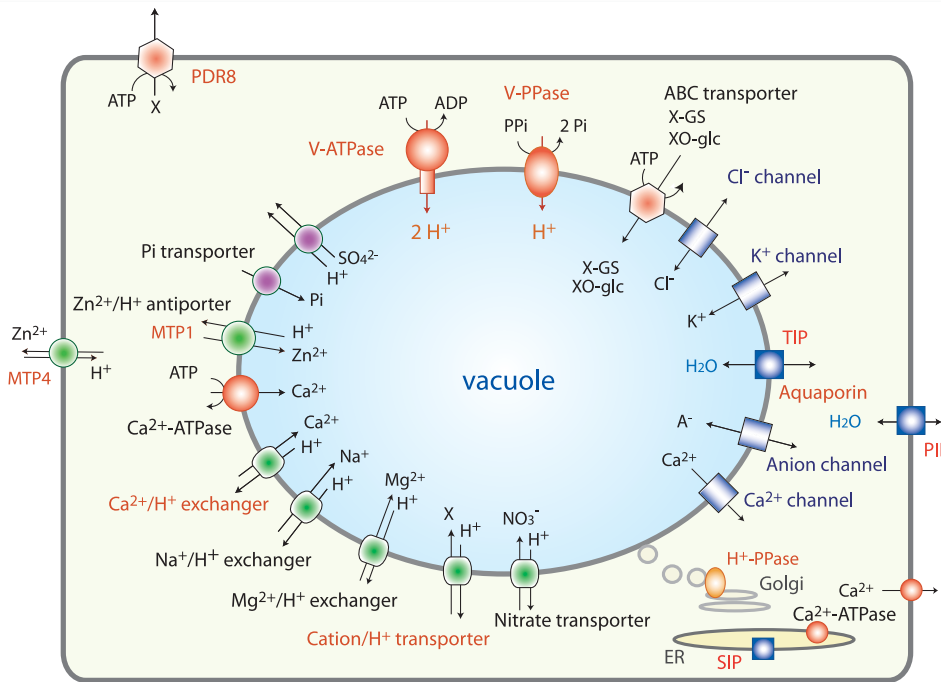


# Antibodies for Plant Cells

~ Antibodies for Organelle Marker Proteins, Transporters, and Other Plant-unique Proteins ~

Cosmo Bio provides unique antibodies for plant cells which detect transporters localized in cell membranes and enzymes. Used in various experiments and cited in many articles, these antibodies work as useful detection tools in your experiments!!



## Membrane Transport Systems in Plant Cells

### References

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## Organelle Marker Proteins

### ■ Vacuolar Membrane Proteins

Product Name	Genome	Amino Acid Sequence of Antigen	Host	Application	Catalog No.	Size	Storage
Anti V-PPase	At1g15690	C+DLVGGKIERNIPEDPRN	Rabbit	ELISA/WB	COP-COP-080001	100 µl	-20°C
Anti V-ATPase subunit a (100 kD subunit)	At2g21410	ELVEINANNDKLQRSYNEL+C	Rabbit	ELISA/WB	COP-COP-080002	100 µl	-20°C
Anti V-ATPase A subunit	At1g78900	C+TKAREVLQREDDLNEI	Rabbit	ELISA/WB	COP-COP-080003	100 µl	-20°C
Anti V-ATPase, A	Mung bean	Antibodies to the purified subunit A	Rabbit	ELISA/WB	COP-COP-080038	100 µl	-20°C
Anti V-ATPase c subunit	At4g38920	STGINPKAKSYLFD+C	Rabbit	ELISA/WB	COP-COP-080004	100 µl	-20°C
Anti V-ATPase subunit D	CAB46439	C+NFLVGGAEKDSDIIF	Rabbit	ELISA/WB	COP-COP-080033	100 µl	-20°C
Anti V-ATPase subunit E	AAC35545	C+RFIRQEAEEKANEI	Rabbit	ELISA/WB	COP-COP-080034	100 µl	-20°C
Anti V-ATPase subunit H	CAB91576	C+LLRRYDKKPESA	Rabbit	ELISA/WB	COP-COP-080035	100 µl	-20°C

### ■ Plasma Membrane Proteins

Product Name	Genome	Amino Acid Sequence of Antigen	Host	Application	Catalog No.	Size	Storage
Anti plasma membrane H <sup>+</sup> -ATPase (AHA)	At5g57350	C+TISKDRVKPSPTPDS	Rabbit	ELISA/WB	COP-COP-080006	100 µl	-20°C
Anti Aquaporin PIP1;1, PIP1;2, PIP1;3	Radish PIP1s	GKEEDVRVGANKFPERQPIGTSA+C	Rabbit	ELISA/WB	COP-COP-080023	100 µl	-20°C
Anti Aquaporin PIP1;1, PIP1;2, PIP1;3	Radish PIP1s	KDYNEPPPAPLFFEPGELSSWS+C	Rabbit	ELISA/WB	COP-COP-080025	100 µl	-20°C
Anti Aquaporin PIP2;1, PIP2;2, PIP2;3	Radish PIP2s	C+QFVLRASGSKSLGSFRSA	Rabbit	ELISA/WB	COP-COP-080027	100 µl	-20°C

### ■ Others

Product Name	Genome	Amino Acid Sequence of Antigen	Host	Application	Catalog No.	Size	Storage	
Anti isocitrate lyase	Microbodies	Castor bean	Antibodies to the purified enzyme	Rabbit	ELISA/WB	COP-COP-080036	100 µl	-20°C
Anti Catalase	Microbodies	Castor bean	C+GERGPVLLLEDYHLIEK	Rabbit	ELISA/WB	COP-COP-080057	100 µl	-20°C
Anti S14, ribosome prot	ER	At2g36160	GMKVKADRDESSPYAA+C	Rabbit	ELISA/WB	COP-COP-080013	100 µl	-20°C
Anti L13, ribosome prot	ER	At3g49010	C+HWQNYVKTWFNQPARKTRRRRIARQKK	Rabbit	ELISA/WB	COP-COP-080014	100 µl	-20°C
Anti Bip	ER	At5g42020	SKDNKALGKLRRREC	Rabbit	ELISA/WB	COP-COP-080017	100 µl	-20°C
Anti ADP ribosylation factor (Arf)	Endosome	At1g70490	VDSNDRDRVVEARDELHRMLNEDELRC	Rabbit	ELISA/WB	COP-COP-080012	100 µl	-20°C

## Aquaporins (Water Channels)

### ■ Plasma Membrane Aquaporins

Product Name	Genome	Amino Acid Sequence of Antigen	Host	Application	Catalog No.	Size	Storage
Anti Aquaporin PIP1;1, PIP1;2, PIP1;3	Radish PIP1s	GKEEDVRVGANKFPERQPIGTSA+C	Rabbit	ELISA/WB	COP-COP-080023	100 µl	-20°C
Anti Aquaporin PIP1;1, PIP1;2, PIP1;3	Radish PIP1s	KDYNEPPPAPLFEPEGELSSWS+C	Rabbit	ELISA/WB	COP-COP-080025	100 µl	-20°C
Anti Aquaporin PIP2;1	Radish PIP2;1	MAKDVEAVSGEGFQTRDYQDP+C	Rabbit	ELISA/WB	COP-COP-080024	100 µl	-20°C
Anti Aquaporin PIP2;1, PIP2;2, PIP2;3	Radish PIP2s	C+QFVLRASGSKSLGFSRSA	Rabbit	ELISA/WB	COP-COP-080027	100 µl	-20°C
Anti Aquaporin PIP2;2	Radish PIP2;2	C+MAKEVEGAEGFATRDYE	Rabbit	ELISA/WB	COP-COP-080026	100 µl	-20°C
Anti PIP2;7	At4g35100	MSKEVSEEGKTHHGKDY+C	Rabbit	ELISA/WB	COP-COP-080005	100 µl	-20°C
Anti OsPIP1;3	AP004026	GAEEKDYREPPAAPVFEVEE+C	Rabbit	ELISA/WB	COP-COP-080040	100 µl	-20°C
Anti OsPIP1s	***	MEGKEEDVRLGANRY+C	Rabbit	ELISA/WB	COP-COP-080041	100 µl	-20°C
Anti OsPIP2;1	AP003802	MGKDEVMESGGAAGEFAAKD+C	Rabbit	ELISA/WB	COP-COP-080042	100 µl	-20°C
Anti OsPIP2;3	AL662958	AAEGGEYMAKDYS	Rabbit	ELISA/WB	COP-COP-080043	100 µl	-20°C
Anti OsPIP2;5	AP004668	MGKEADVEAGGVRDY+C	Rabbit	ELISA/WB	COP-COP-080044	100 µl	-20°C

### ■ Vacuolar Membrane Aquaporins

Product Name	Genome	Amino Acid Sequence of Antigen	Host	Application	Catalog No.	Size	Storage
Anti Aquaporin TIP1;1 & TIP1;2 (γ)	Radish g-VM23	GVQEEVTHPSALRA+C	Rabbit	ELISA/WB	COP-COP-080028	100 µl	-20°C
Anti Aquaporin TIP1;1 & TIP1;2 (γ)	Radish g-VM23	C+INQNGHEQLPTTDY	Rabbit	ELISA/WB	COP-COP-080029	100 µl	-20°C
Anti Aquaporin TIP2;1 (Δ)	Radish delta-VM23	C+MTSEHVPLASEF	Rabbit	ELISA/WB	COP-COP-080030	100 µl	-20°C
Anti AtTIP1;1	M84344	MPIRNIAIGRPDEATRPDAL+C	Rabbit	ELISA/WB	COP-COP-080018	100 µl	-20°C
Anti OsTIP2;1	AP005289	C+FIGSYQPVADQDYA	Rabbit	ELISA/WB	COP-COP-080045	100 µl	-20°C
Anti OsTIP2;2-N	AP004784	MSGNIAFGFRDDSF+C	Rabbit	ELISA/WB	COP-COP-080046	100 µl	-20°C
Anti OsTIP2;2-C	AP004784	CGDHAPVASSEF	Rabbit	ELISA/WB	COP-COP-080047	100 µl	-20°C

### ■ ER Membrane Aquaporins

Product Name	Genome	Amino Acid Sequence of Antigen	Host	Application	Catalog No.	Size	Storage
Anti Aquaporin AtSIP1;1	At3g04090	C+MEFIPKPYKHMIGG	Rabbit	ELISA/WB	COP-COP-080031	100 µl	-20°C
Anti Aquaporin AtSIP2;1	At3g56950	C+KPLTEEQEKPKAKSE	Rabbit	ELISA/WB	COP-COP-080032	100 µl	-20°C

## Membrane Transporters (excluding Aquaporins)

### ■ Vacuolar Membrane Transporters

Product Name	Genome	Amino Acid Sequence of Antigen	Host	Application	Catalog No.	Size	Storage
Anti V-PPase	At1g15690	C+DLVGGKIERNIPEDDPRN	Rabbit	ELISA/WB	COP-COP-080001	100 µl	-20°C
Anti V-ATPase subunit a (100 kD subunit)	At2g21410	ELVEINANNDKLQRSYNEL+C	Rabbit	ELISA/WB	COP-COP-080002	100 µl	-20°C
Anti V-ATPase A subunit	At1g78900	C+TKAREVLQREDDLNEI	Rabbit	ELISA/WB	COP-COP-080003	100 µl	-20°C
Anti V-ATPase c subunit	At4g38920	STGINPKAKSYLLFD+C	Rabbit	ELISA/WB	COP-COP-080004	100 µl	-20°C
Anti V-ATPase subunit D	CAB46439	C+NFLVGGAEKDSDIIF	Rabbit	ELISA/WB	COP-COP-080033	100 µl	-20°C
Anti V-ATPase subunit E	AAC35545	C+RFIRQEAEEKANEI	Rabbit	ELISA/WB	COP-COP-080034	100 µl	-20°C
Anti V-ATPase subunit H	CAB91576	C+LLRRYDKKPESA	Rabbit	ELISA/WB	COP-COP-080035	100 µl	-20°C
Anti V-ATPase, A	Mung bean	Antibodies to the purified subunit A	Rabbit	ELISA/WB	COP-COP-080038	100 µl	-20°C
Anti Na <sup>+</sup> /H <sup>+</sup> antiporter	AF106324	C+FVPGSPTERNPPDLKA	Rabbit	ELISA/WB	COP-COP-080020	100 µl	-20°C
Anti AtMTP1 (VM)	AF072858	C+GFSDSKSNASGDAHE	Rabbit	ELISA/WB	COP-COP-080021	100 µl	-20°C

### ■ Others

Product Name	Genome	Amino Acid Sequence of Antigen	Host	Application	Catalog No.	Size	Storage
Anti plasma membrane H <sup>+</sup> -ATPase (AHA)	At5g57350	C+TISKDRVKPSPTPDS	Rabbit	ELISA/WB	COP-COP-080006	100 µl	-20°C
Anti Nitrate transporter (AJ011604)	At2g26690	C+LWFKPTKGKDSVEKENGKGF	Rabbit	ELISA/WB	COP-COP-080009	100 µl	-20°C
Anti Ca <sup>2+</sup> -ATPase	X99972	SDYRQLQFRDLRE+C	Rabbit	ELISA/WB	COP-COP-080022	100 µl	-20°C

## Other Plant-unique Proteins

### ■ Polyclonal Antibodies

Product Name	Genome	Amino Acid Sequence of Antigen	Host	Application	Catalog No.	Size	Storage
Anti MARBP	Tabacco MARBP	Antibodies to the recombinant tobacco MARBP	Rabbit	WB	COP-COP-080053	100 µg	-20°C
Anti Sporamin	Sweet potato	Antibodies to the purified sporamin	Rabbit	WB	COP-COP-080054	100 µg	-20°C
Anti Alkaline Lipase	Glyoxysomal lipase	Antibodies to the purified glyoxysomal lipase	Rabbit	WB	COP-COP-080055	100 µg	-20°C
Anti AtPCaP1	At4g20260	C+TEEPAKTEGTSGEKE	Rabbit	WB	COP-COP-080056	100 µg	-20°C
Anti Catalase	Castor bean	C+GERGPVLLLEDYHLIEK	Rabbit	ELISA/WB	COP-COP-080057	100 µg	-20°C

### ■ Monoclonal Antibodies

Product Name	Genome	Plant Species	Host	Application	Catalog No.	Size	Storage
Anti Ascorbate Peroxidase	AP6-1	Spinach	Mouse	ELISA/WB	KIS-OF-203	50 µg	-20°C
Anti Ascorbate Peroxidase	AP(cyto)	Spinach	Mouse	ELISA	KIS-OF-204	50 µg	-20°C
Anti Fructose-1, 6-bis phosphate phosphatase I	FBPasel 3	<i>Synechococcus</i>	Mouse	ELISA/WB	KIS-OF-101	50 µg	-20°C
Anti Fructose-1, 6-bis phosphate phosphatase II	FBPasell 3	<i>Synechococcus</i>	Mouse	ELISA/WB	KIS-OF-103	50 µg	-20°C
Anti light harvest chloroplastic protein 1	OEC33	Spinach	Mouse	ELISA/WB	KIS-OF-112	50 µg	-20°C
Anti light harvest chloroplastic protein 2	OEC24-5	Spinach	Mouse	ELISA	KIS-OF-113	50 µg	-20°C
Anti light harvest chloroplastic protein 3	OEC18-6	Spinach	Mouse	ELISA	KIS-OF-114	50 µg	-20°C
Anti RuBisCO Small subunit	Ru 4-1	Spinach	Mouse	ELISA/WB	KIS-OF-120P	50 µg	-20°C
Anti Starch synthetase	GBSST-12	Wheat	Mouse	ELISA/WB	KIS-OF-312	50 µg	-20°C
Anti Starch synthetase	GBSS0-2	Rice	Mouse	ELISA/WB	KIS-OF-313	50 µg	-20°C
Anti Thiamin Binding Protein	TBP-S	Sesame	Mouse	ELISA	KIS-OF-406	50 µg	-20°C
Anti Thiamin Binding Protein	TBP-R	Rice	Mouse	ELISA	KIS-OF-407	50 µg	-20°C

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