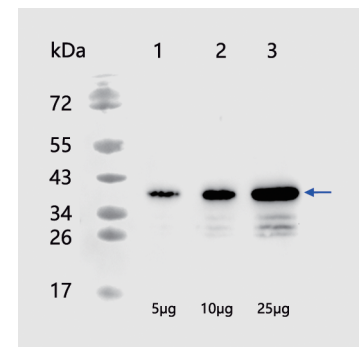


Loading controls Antibodies

Loading controls are essential for proper interpretation of western blots. They can be used to normalize the levels of protein detected by confirming that protein loading is the same across the gel. Loading controls are usually proteins that exhibit high-level, constitutive expression in the cell type or sample you are examining. This ensures constant expression levels. Thus "housekeeping genes" are frequently chosen as loading controls. It is also important that the protein chosen as a loading control has a different molecular weight than the protein of interest so that the bands are distinct and expression levels quantifiable.



WB GAPDH / PHY0303A

The available loading control antibodies are as following:

Product Number	Abbreviation	Reference Sequence Code	Size
PHY0001	Actin Antibody	AT3G12110	150ug
PHY0612	Tubulin alpha Antibody	AT1G64740	150ug
PHY0652	Tubulin beta Antibody	AT5G62690	150ug
PHY0303A	GAPDH Antibody	AT1G13440	150ug
PHY0057	PsbA Antibody	ATCG00020	150ug
PHY0096A	RbcL Antibody	ATCG00490	150ug
PHY0033S	H3 Antibody	AT4G40030	150ug
PHY0799S	CESA4 Antibody	AT5G44030	150ug
PHY0802S	CESA7 Antibody	AT5G17420	150ug
PHY0805S	CESA8 Antibody	AT4G18780	150ug

Product Number	Abbreviation	Reference Sequence Code	Size
PHY0128S	CRD1 Antibody	AT3G56940	150ug
PHY0099S	PC Antibody	AT1G20340	150ug
PHY0127S	PGL35 Antibody	AT4G04020	150ug
PHY0100A	PRK Antibody	AT1G32060	150ug
PHY0229S	Tic40 Antibody	AT5G16620	150ug
PHY0015S	cFBPase Antibody	AT1G43670	150ug
PHY0095S	SPS Antibody	AT5G20280	150ug
PHY0012S	BiP Antibody	AT5G42020	150ug
PHY1017S	BiP3 Antibody	AT1G09080	150ug
PHY0072S	SMT1 Antibody	AT5G13710	150ug
PHY0006S	Arf1 Antibody	AT2G47170	150ug
PHY0497	Sec21p Antibody	AT4G34450	150ug
PHY0005S	AOX1 Antibody	AT3G22360/AT3G27620/AT3G22370	150ug
PHY0016S	COXII Antibody	ATMG00160	150ug
PHY0115S	GDC-H Antibody	AT2G35370	150ug
PHY0039S	IDH1 Antibody	AT4G35260	150ug
PHY0040S	IDH2 Antibody		150ug
PHY0041S	IDH3 Antibody		150ug
PHY0079S	VDAC1 Antibody	AT3G01280	150ug
PHY0501	Cat 1/2 Antibody	AT4G35090 and AT1G20630	150ug
PHY0230S	Endopeptidase Antibody	AT1G28320	150ug
PHY0168S	PEX14 Antibody	AT5G62810	150ug
PHY0032S	H+ATPase Antibody		150ug
PHY0030S	GOGAT Antibody	AT2G41220	150ug
PHY0078A	V-ATPase Antibody	AT4G11150	150ug