NOXA1 Monoclonal Antibody

Catalog No	BYmab-07873
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB
Gene Name	NOXA1 P51NOX
Protein Name	NADPH oxidase activator 1 (NOX activator 1) (Antigen NY-CO-31) (NCF2-like protein) (P67phox-like factor) (p51-nox)
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	NOXA1 Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	52kD
Cell Pathway	Cytoplasm. Cell membrane. Translocation to membranes depends on NOXO1 or NCF1 and maybe RAC1.
Tissue Specificity	Widely expressed. Detected in pancreas, liver, kidney, spleen, prostate, small intestine and colon.
Function	developmental stage:Expressed in fetal kidney.,domain:The SH3 domain mediates interaction with NOXO1 and NCF1 and has autoregulatory function.,domain:The TPR repeats mediate interaction with RAC1.,function:Functions as an activator of NOX1, a superoxide-producing NADPH oxidase. Functions in the production of reactive oxygen species (ROS) which participate in a variety of biological processes including host defense, hormone biosynthesis, oxygen sensing and signal transduction. May also activate CYBB/gp91phox and NOX3.,PTM:Interaction with YWHAZ depends on phosphorylation by PKA.,similarity:Belongs to the NCF2/NOXA1 family.,similarity:Contains 1 OPR domain.,similarity:Contains 1 SH3 domain.,similarity:Contains 4 TPR repeats.,subcellular location:Translocation to

	membranes depends on NOXO1 or NCF1 and maybe RAC1.,subunit:NOX1, NOXA1, NOXO1, RAC1 and CYBA forms a functional multimeric comple
Background	This gene encodes a protein which activates NADPH oxidases, enzymes which catalyze a reaction generating reactive oxygen species. The encoded protein contains four N-terminal tetratricopeptide domains and a C-terminal Src homology 3 domain. Interaction between the encoded protein and proteins in the oxidase regulatory complex occur via the tetratricopeptide domains. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2011],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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