



## SMOX mouse mAb

Catalog No	BYmab-08760
lsotype	lgG
Reactivity	Human; Mouse
Applications	WB
Gene Name	SMOX C20orf16 SMO UNQ3039/PRO9854
Protein Name	SMOX
Immunogen	Synthesized peptide derived from human SMOX AA range: 212-262
Specificity	This antibody detects endogenous levels of SMOX at Human/Mouse
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA 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
Concentration Purity	1 mg/ml ≥90%
Concentration Purity Storage Stability	1 mg/ml ≥90% -20°C/1 year
Concentration Purity Storage Stability Synonyms	1 mg/ml ≥90% -20°C/1 year
Concentration Purity Storage Stability Synonyms Observed Band	1 mg/ml ≥90% -20°C/1 year
Concentration Purity Storage Stability Synonyms Observed Band Cell Pathway	1 mg/ml ≥90% -20°C/1 year [Isoform 1]: Cytoplasm. Nucleus.; [Isoform 4]: Cytoplasm. Nucleus.; [Isoform 6]: Cytoplasm. Nucleus.
Concentration Purity Storage Stability Synonyms Observed Band Cell Pathway Tissue Specificity	1 mg/ml         ≥90%         -20°C/1 year         [Isoform 1]: Cytoplasm. Nucleus.; [Isoform 4]: Cytoplasm. Nucleus.; [Isoform 6]: Cytoplasm. Nucleus.         Widely expressed. Expressed in human tumor cell lines. Isoform 4 is only found in an embryonal kidney cell line.

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Polyamines are ubiquitous polycationic alkylamines which include spermine, spermidine, putrescine, and agmatine. These molecules participate in a broad range of cellular functions which include cell cycle modulation, scavenging reactive oxygen species, and the control of gene expression. These molecules also play important roles in neurotransmission through their regulation of cell-surface receptor activity, involvement in intracellular signalling pathways, and their putative roles as neurotransmitters. This gene encodes an FAD-containing enzyme that catalyzes the oxidation of spermine to spermadine and secondarily produces hydrogen peroxide. Multiple transcript variants encoding different isoenzymes have been identified for this gene, some of which have failed to demonstrate significant oxidase activity on natural polyamine substrates. The characterized isoenzymes have distinctive biochemical characteristics and substrate specificities, suggesting the existence of additional levels of complexity in polyamine catabolism. [provided by RefSeq, Jul 2012],
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the potential to act as a determinant of cellular sensitivi

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