

Rabbit anti-Human SOD2/Mn-SOD Monoclonal Antibody | anti-SOD2 antibody

Recombinant Anti-SOD2/Mn-SOD Antibody, Rabbit Monoclonal

CATALOG # AAA255603	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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PRODUCT SYNONYMS

SOD2/Mn-SOD; Monoclonal Antibody; Recombinant Anti-SOD2/Mn-SOD Antibody; Rabbit Monoclonal; SOD2 Antibody; Rabbit MAb; superoxide dismutase 2; mitochondrial; Anti-IPOB Antibody; Anti-MNSOD Antibody; Anti-MVCD6 Antibody; anti-SOD2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	012
Specificity	Human SOD2
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-SOD2 antibody	IHC (Immunohistochemistry)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant Human SOD2 protein
Conjugation	Unconjugated
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Human SOD2 (rh SOD2).
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunochemical staining of human SOD2 in human breast-carcinoma with rabbit monoclonal antibody (1:200, formalin-fixed paraffin embedded sections).



IHC (Immunohistochemistry)

Immunochemical staining of human SOD2 in human colon-carcinoma with rabbit monoclonal antibody (1:200, formalin-fixed paraffin embedded sections).

**IHC (Immunohistochemistry)**

Immunochemical staining of human SOD2 in human kidney with rabbit monoclonal antibody (1:200, formalin-fixed paraffin embedded sections).

**IHC (Immunohistochemistry)**

Immunochemical staining of human SOD2 in human placenta with rabbit monoclonal antibody (1:200, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

Related Product Information for anti-SOD2 antibody	Superoxide dismutases (SOD) are important anti-oxidant enzymes that guard against superoxide toxicity. In humans, as in all mammals and most chordates, three forms of superoxide dismutase (SOD) are present: SOD1 is located in the cytoplasm, SOD2 in the mitochondria, and SOD3 is extracellular. Mitochondrial superoxide dismutase [SOD; manganese SOD (MnSOD) or SOD2] neutralizes highly reactive superoxide radical (O ₂ ⁻), the first member in the plethora of mitochondrial reactive oxygen species.
References	Culotta VC, et al. (2006) Activation of superoxide dismutases: putting the metal to the pedal. <i>Biochim Biophys Acta</i> . 1763(7): 747-58. Bag A, et al. (2008) Target sequence polymorphism of human manganese superoxide dismutase gene and its association with cancer risk: a review. <i>Cancer Epidemiol Biomarkers Prev</i> . 17(12): 3298-305. Diehl C, et al. (2009) The basis of topical superoxide dismutase antipruritic activity. <i>Acta Dermatovenerol Croat</i> . 17(1): 25-39. Ma X, et al. (2010) No association between SOD2 Val16Ala polymorphism and breast cancer susceptibility: a meta-analysis based on 9, 710 cases and 11, 041 controls. <i>Breast Cancer Res Treat</i> . 122(2): 509-14.

NCBI AND UNIPROT INFORMATION

NCBI GI #	134665
NCBI GeneID	6648
UniProt Accession #	P04179 ; P78434 ; Q16792 ; Q5TCM1 ; Q96EE6 ; Q9P2Z3 ; B2R7R1 ; B3KUK2 ; B4DL20 ; B4E3K9 ; E1P5A9
Molecular Weight	222
NCBI Official Full Name	Superoxide dismutase
NCBI Official Synonym Full Names	superoxide dismutase 2, mitochondrial
NCBI Official Symbol	SOD2
NCBI Official Synonym Symbols	IPOB; MNSOD; MVCD6
NCBI Protein Information	superoxide dismutase [Mn], mitochondrial; superoxide dismutase [Mn], mitochondrial; indophenoloxidase B; Mn superoxide dismutase; mangano-superoxide dismutase; manganese-containing superoxide dismutase
UniProt Protein Name	Superoxide dismutase [Mn], mitochondrial
UniProt Gene Name	SOD2
UniProt Entry Name	SODM_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/sod2-mn-sod-antibody-clone-012-immunohistochemistry-elisa/255603>