

Anti-SOD2 Antibody (5U594)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	5U594
Purification:	Protein A

Applications

Verified Activity:	1. Immunochemical staining of human SOD2 in human placenta with rabbit monoclonal antibody (1:200, formalin-fixed paraffin embedded sections).
	2. Immunochemical staining of human SOD2 in human kidney with rabbit monoclonal antibody (1:200, formalin-fixed paraffin embedded sections).
	3. Immunochemical staining of human SOD2 in human colon-carcinoma with rabbit monoclonal antibody (1:200, formalin-fixed paraffin embedded sections).
	4. Immunochemical staining of human SOD2 in human breast-carcinoma with rabbit monoclonal antibody (1:200, formalin-fixed paraffin embedded sections).
Application:	IHC-P
Recommended	IHC-P: 1:100-1:500

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Human SOD2 protein (TMPY-02044)
Antigen Species:	Human
Synonyms:	IPOB;MNSOD;superoxide dismutase 2, mitochondrial;MVCD6

Research Background

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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