

Product datasheet for **TA591033**

SOD2 Rabbit Monoclonal Antibody [Clone ID: OTIR4G8]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTIR4G8
Applications:	SISCAPA
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Immunogen:	Synthetic peptide (the amino acid sequence is considered to be commercially sensitive) within Human SOD2 (NP_000627). The exact sequence is proprietary.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	Lot dependent; please refer to CoA along with shipment
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	24.8 kDa
Gene Name:	superoxide dismutase 2
Database Link:	NP_000627 Entrez Gene 20656 Mouse Entrez Gene 24787 Rat Entrez Gene 6648 Human P04179
Background:	This gene is a member of the iron/manganese superoxide dismutase family. It encodes a mitochondrial protein that forms a homotetramer and binds one manganese ion per subunit. This protein binds to the superoxide byproducts of oxidative phosphorylation and converts them to hydrogen peroxide and diatomic oxygen. Mutations in this gene have been associated with idiopathic cardiomyopathy (IDC), premature aging, sporadic motor neuron disease, and cancer. Alternative splicing of this gene results in multiple transcript variants. A related pseudogene has been identified on chromosome 1. [provided by RefSeq, Apr 2016]



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Synonyms: GClnc1; IPO-B; IPOB; Mn-SOD; MNSOD; MVCD6

Protein Families: Druggable Genome, Transcription Factors

Protein Pathways: Huntington's disease