

Anti-SOD2 Antibody

Catalog # AP96061

Product Information

Application	WB, IHC, FC
Primary Accession	P04179
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	24750

Additional Information

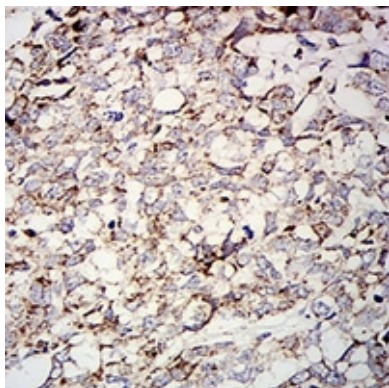
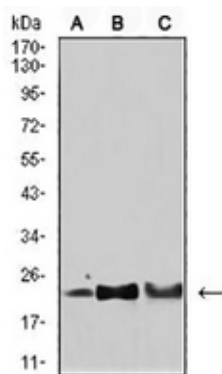
Gene ID	6648
Other Names	Superoxide dismutase [Mn], mitochondrial
Target/Specificity	Recombinant fusion protein of human SOD2 expressed in E. Coli
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 FC~~FC (1/100 - 1/200)
Format	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

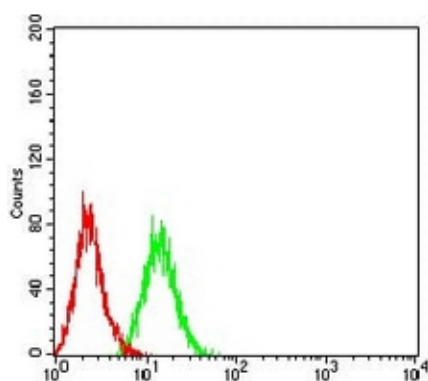
Name	SOD2
Function	Destroys superoxide anion radicals which are normally produced within the cells and which are toxic to biological systems.
Cellular Location	Mitochondrion matrix.

Images

Western blot analysis of SOD2 expression in Hela (A), HepG2 (B), SHSY5Y (C) whole cell lysates. (Predicted band size: 25 kD; Observed band size: 23 kD)



Immunohistochemical analysis of SOD2 staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Flow cytometric analysis of MCF7 cells using Anti-SOD2 Antibody (green) and negative control (red).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.