Recombinant Superoxide Dismutase 1 Monoclonal Antibody

catalog number: **E-AB-81608**

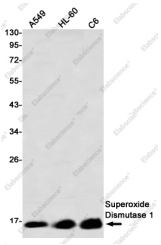
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human;Rat
Immunogen	A synthetic peptide of human Superoxide Dismutase 1
Host	Rabbit
Isotype	Rabbit IgG
Clone	C723394
Purification	Affinity purification
Conjugation	Unconjugated
Buffer	50 mM Tris-Glycine (pH 7.4), 0.15 M NaCl, 40% Glycerol, 0.05% stabilizer and 0.05% protective protein.

Applications	Recommended Dilution
WB	1:500-1:1000
IHC	1:50-1:100

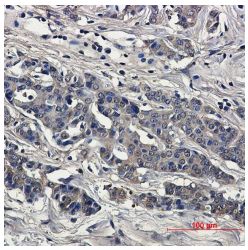
Data



Western blot detection of Superoxide Dismutase 1 in A549,HL-60,C6 using Superoxide Dismutase 1 Rabbit mAb(1:1000 diluted)

Observed-MW:16 kDa

Calculated-MW:16 kDa



Immunohistochemical of Superoxide Dismutase 1 in Human breast cancer tissue using Superoxide Dismutase 1 antibody at dilution 1:50

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze/thaw cycles.
Shipping	The product is shipped with ice pack,upon receipt,store it immediately at the temperature recommended.

Background

The protein encoded by this gene binds copper and zinc ions and is one of two isozymes responsible for destroying free superoxide radicals in the body. The encoded isozyme is a soluble cytoplasmic protein, acting as a homodimer to convert naturally-occuring but harmful superoxide radicals to molecular oxygen and hydrogen peroxide. The other isozyme is a mitochondrial protein. Mutations in this gene have been implicated as causes of familial amyotrophic lateral sclerosis. Rare transcript variants have been reported for this gene.

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