

## Product datasheet for **TA308158**

### SUOX Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	ICC/IF:1:100-1:1000; IHC:1:100-1:1000; WB:1:500-1:3000
Reactivity:	Human, Mouse (Predicted: Pig, Rat, Bovine)
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant fragment corresponding to a region within amino acids 1 and 291 of SUOX (Uniprot ID#P51687)
Formulation:	0.1M Tris, 0.1M Glycine, 10% Glycerol (pH7). 0.01% Thimerosal was added as a preservative.
Concentration:	lot specific
Purification:	Purified by antigen-affinity chromatography.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	60 kDa
Gene Name:	sulfite oxidase
Database Link:	<a href="#">NP_001027559</a> <a href="#">Entrez Gene 81805 Rat</a> <a href="#">Entrez Gene 211389 Mouse</a> <a href="#">Entrez Gene 6821 Human</a> <a href="#">P51687</a>
Background:	Sulfite oxidase is a homodimeric protein localized to the intermembrane space of mitochondria. Each subunit contains a heme domain and a molybdopterin-binding domain. The enzyme catalyzes the oxidation of sulfite to sulfate, the final reaction in the oxidative degradation of the sulfur amino acids cysteine and methionine. Sulfite oxidase deficiency results in neurological abnormalities which are often fatal at an early age. Alternative splicing results in multiple transcript variants encoding identical proteins. [provided by RefSeq]
Synonyms:	OTTHUMP00000158619; sulfite oxidase



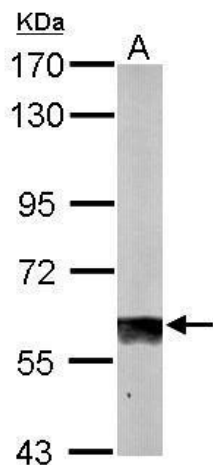
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**Note:** Seq homology of immunogen across species: Pig (86%), Rat (82%), Bovine (82%)

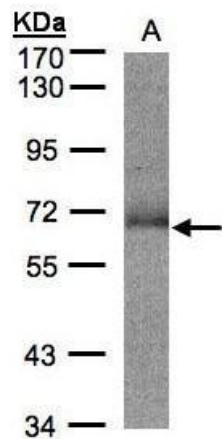
**Protein Families:** Druggable Genome

**Protein Pathways:** Sulfur metabolism

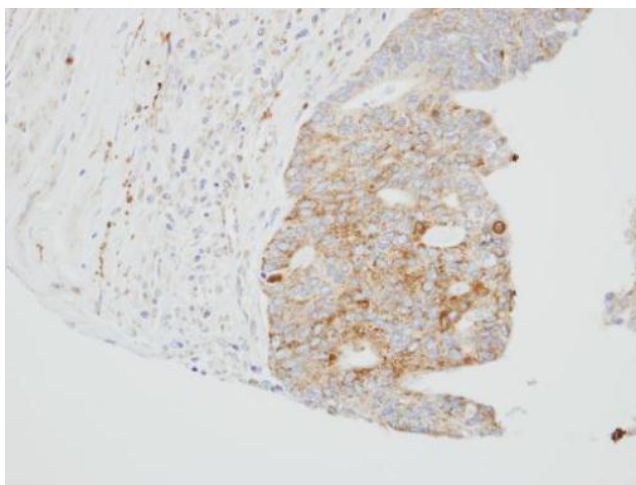
**Product images:**



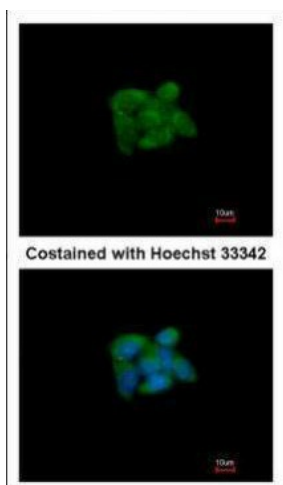
Sample (50 ug of whole cell lysate). A: mouse liver. 7.5% SDS PAGE. TA308158 diluted at 1:1000.



Sample (30 ug whole cell lysate). A:Hep G2. 7.5% SDS PAGE. TA308158 diluted at 1:500



Immunohistochemical analysis of paraffin-embedded OVCA xenograft, using SUOX (TA308158) antibody at 1:100 dilution.



Immunofluorescence analysis of methanol-fixed HepG2, using SUOX (TA308158) antibody at 1:200 dilution.