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Product datasheet for TA337757

SMOX Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-SMOX antibody is: synthetic peptide directed towards the C-terminal region of Human SMOX. Synthetic peptide located within the following region: DHNHDTGEGGQGGEEPRGGRWDEDEQWSVVVECEDCELIPADHVIVTVSL
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. *Note that this product is shipped as lyophilized powder to China customers.*
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	62 kDa
Gene Name:	spermine oxidase
Database Link:	NP_787033 Entrez Gene 54498 Human Q9NWM0

View online »

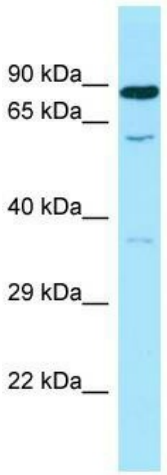
Background: Polyamines are ubiquitous polycationic alkylamines which include spermine, spermidine, putrescine, and agmatine. These molecules participate in a broad range of cellular functions which include cell cycle modulation, scavenging reactive oxygen species, and the control of gene expression. These molecules also play important roles in neurotransmission through their regulation of cell-surface receptor activity, involvement in intracellular signalling pathways, and their putative roles as neurotransmitters. This gene encodes an FAD-containing enzyme that catalyzes the oxidation of spermine to spermadine and secondarily produces hydrogen peroxide. Multiple transcript variants encoding different isoenzymes have been identified for this gene, some of which have failed to demonstrate significant oxidase activity on natural polyamine substrates.

Synonyms: C20orf16; PAO; PAO-1; PAO1; PAOH; PAOH1; SMO

Note: Immunogen Sequence Homology: Human: 100%; Dog: 86%

Protein Families: Druggable Genome

Product images:



Host: Rabbit; Target Name: SMOX; Sample Tissue: Fetal Kidney lysates; Antibody Dilution: 1.0 ug/ml