

SMOX Rabbit Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP04789
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	Synthesized peptide derived from human SMOX
Mol wt	61050
Species reactivity	Human, Mouse
Clonality	Polyclonal
Recommended application	WB
Concentration	1 mg/ml
Full name	SMOX
Synonyms	SMOX

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

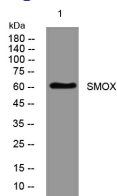
Polyamines are ubiquitous polycationic alkylamines which include spermine| spermidine| putrescine| and agmatine. These molecules participate in a broad range of cellular functions which include cell cycle modulation| scavenging reactive oxygen species| and the control of gene expression. These molecules 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 spermidine 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. The characterized isoenzymes have distinctive biochemical characteristics and substrate specificities| suggesting the existence of additional levels of complexity in polyamine catabolism.

Recommended Dilution

WB: 1: 500 - 1: 2000

Not yet tested in other applications.

Images



Western blot analysis of lysates from 3T3 cells, primary antibody was diluted at 1:1000, 4°C overnight

Storage

-20°C for 1 year