

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 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. 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