

Datasheet for ABIN6265191  
**anti-SMOX antibody (Internal Region)**



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3 Images

### Overview

Quantity:	100 µL
Target:	SMOX
Binding Specificity:	Internal Region
Reactivity:	Mouse, Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SMOX antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunofluorescence (IF)

### Product Details

Immunogen:	A synthesized peptide derived from human SMOX, corresponding to a region within the internal amino acids.
Isotype:	IgG
Specificity:	SMOX Antibody detects endogenous levels of total SMOX.
Predicted Reactivity:	Pig,Bovine,Horse,Sheep,Rabbit,Dog,Chicken,Xenopus
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

### Target Details

Target:	SMOX
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## Target Details

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Alternative Name: SMOX ([SMOX Products](#))

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Background: Description: Flavoenzyme which catalyzes the oxidation of spermine to spermidine. Can also use N1-acetylspermine and spermidine as substrates, with different affinity depending on the isoform (isozyme) and on the experimental conditions. Plays an important role in the regulation of polyamine intracellular concentration and has the potential to act as a determinant of cellular sensitivity to the antitumor polyamine analogs. May contribute to beta-alanine production via aldehyde dehydrogenase conversion of 3-amino-propanal.

Gene: SMOX

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Molecular Weight: 62 kDa

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Gene ID: 54498

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UniProt: [Q9NWM0](#)

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## Application Details

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Application Notes: WB 1:500-1:2000, IHC 1:50-1:200, IF/ICC 1:100-1:500

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Concentration: 1 mg/mL

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Buffer: Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.

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Preservative: Sodium azide

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Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Storage: -20 °C

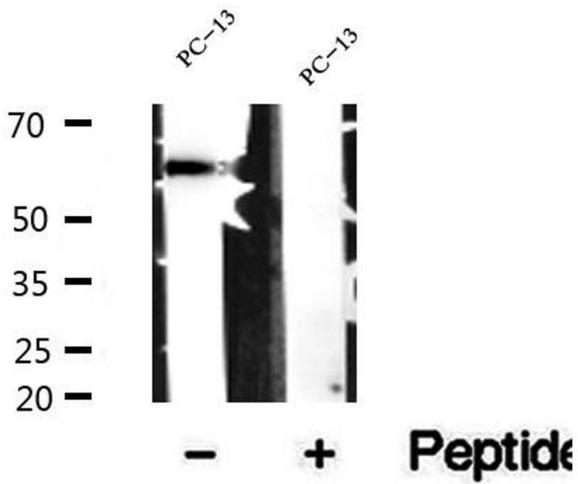
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Storage Comment: Store at -20 °C. Stable for 12 months from date of receipt.

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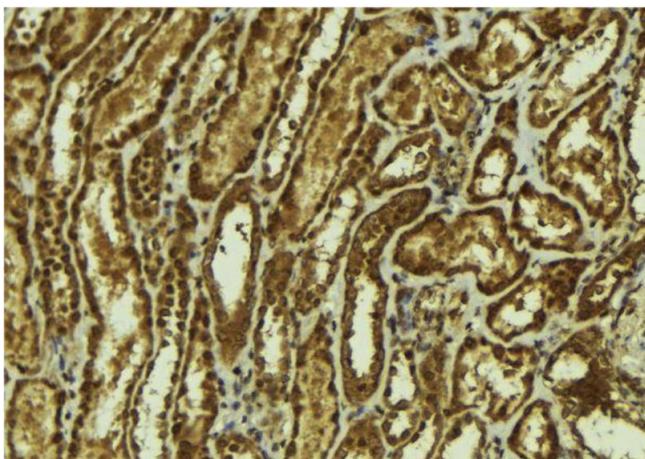
Expiry Date: 12 months

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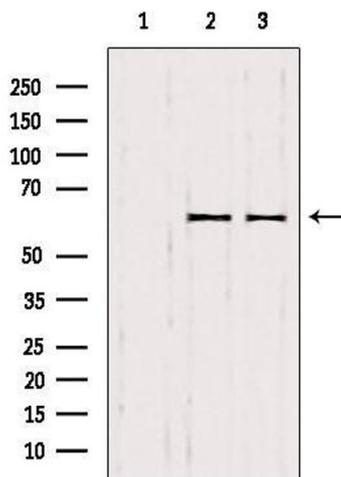
### Western Blotting

**Image 1.** Western blot analysis of extracts of PC-13 cells, using SMOX antibody.



### Immunohistochemistry

**Image 2.** ABIN6273164 at 1/100 staining Mouse kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



### Western Blotting

**Image 3.** Western blot analysis of extracts from various samples, using SMOX antibody. Lane 1: rat brain treated with blocking peptide. Lane 2: Rat brain; Lane 3: 293;