

PACO20560

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## Product Information

**Size:**

50ul

**Reactivity:**

Human, Mouse

**Source:**

Rabbit

**Isotype:**

IgG

**Applications:**

ELISA, WB, IHC

**Recommended dilutions:**

ELISA:1:1000-1:2000, WB:1:200-1:1000,  
IHC:1:25-1:100

**Protein Background:**

Isoform 1: Apoptosis regulator that functions through different apoptotic signaling pathways. Plays a roles as pro-apoptotic protein that positively regulates intrinsic apoptotic process in a BAX- and BAK1-dependent manner or in a BAX- and BAK1-independent manner. In response to endoplasmic reticulum stress promotes mitochondrial apoptosis through downstream BAX/BAK1 activation and positive regulation of PERK-mediated unfolded protein response. Activates apoptosis independently of heterodimerization with survival-promoting BCL2 and BCL2L1 through induction of mitochondrial outer membrane permeabilization, in a BAX- and BAK1-independent manner, in response to inhibition of ERAD-proteasome degradation system, resulting in cytochrome c release. In response to DNA damage, mediates intrinsic apoptotic process in a TP53-dependent manner. Plays a role in granulosa cell apoptosis by CASP3 activation.

**Gene ID:**

SMOC2

**Uniprot**

Q9H3U7

**Synonyms:**

SPARC related modular calcium binding 2

**Immunogen:**

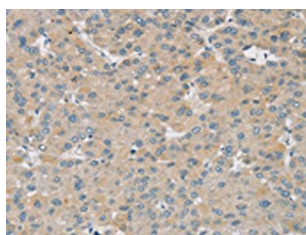
Synthetic peptide of human SMOC2.

**Storage:**

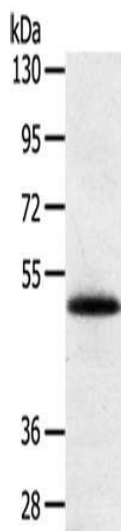
-20&deg; C, pH7.4 PBS, 0.05% NaN3, 40% Glycerol

## Product Images

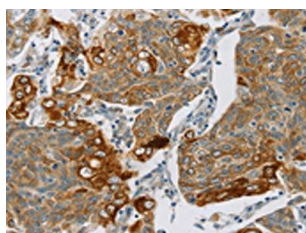
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The image on the left is immunohistochemistry of paraffin-embedded Human liver cancer tissue using PACO20560(SMOC2 Antibody) at dilution 1/30, on the right is treated with synthetic peptide. (Original magnification: x—200).



Gel: 8%SDS-PAGE, Lysate: 40 ug, Lane: Human placenta tissue, Primary antibody: PACO20560(SMOC2 Antibody) at dilution 1/250, Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution, Exposure time: 5 minutes.



The image on the left is immunohistochemistry of paraffin-embedded Human cervical cancer tissue using PACO20560(SMOC2 Antibody) at dilution 1/30, on the right is treated with synthetic peptide. (Original magnification: x—200).