




Product datasheet

Anti-SMOC1 antibody ab200219

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Overview

Product name	Anti-SMOC1 antibody
Description	Rabbit polyclonal to SMOC1
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Mouse 
Immunogen	Recombinant fragment corresponding to Human SMOC1 aa 150-400. Database link: Q9H4F8  Run BLAST with  Run BLAST with
Positive control	OV2008 cell lysate. Human fetal stomach tissue.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Lyophilized:Reconstitute in 200 uL sterile distilled water
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.20 Preservative: 0.02% Sodium azide Constituents: 98% PBS, 1% BSA
Purity	Protein A purified
Clonality	Polyclonal
Isotype	IgG

Applications

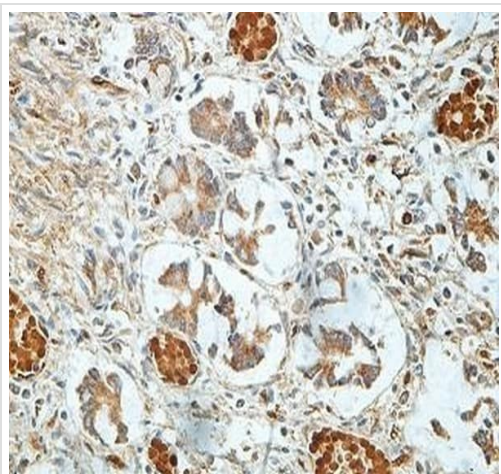
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab200219 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/200 - 1/1000. Predicted molecular weight: 48 kDa.
IHC-P		1/100 - 1/500.

Target

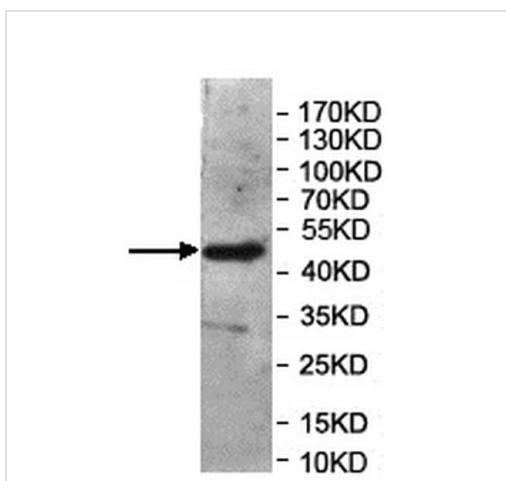
Function	Plays essential roles in both eye and limb development. Probable regulator of osteoblast differentiation.
Tissue specificity	Widely expressed in many tissues with a strongest signal in ovary. No expression in spleen.
Involvement in disease	Defects in SMOC1 are the cause of ophthalmocranial syndrome (OAS) [MIM:206920]. A rare disorder presenting with anophthalmia or microphthalmia and limb anomalies. Limb malformations include fused 4th and 5th metacarpals and short 5th finger in hands, and oligodactyly in foot (four toes). Most patients have bilateral anophthalmia/ microphthalmia, but unilateral abnormality is also noted. Other malformations are rare, but venous or vertebral anomaly was recognized each in single cases.
Sequence similarities	Contains 2 EF-hand domains. Contains 1 Kazal-like domain. Contains 2 thyroglobulin type-1 domains.
Post-translational modifications	Glycosylated.
Cellular localization	Secreted > extracellular space > extracellular matrix > basement membrane. In or around the basement membrane.

Images



Immunohistochemical analysis of formalin fixed, paraffin embedded human fetal stomach tissue labeling SMOC1 with **ab200291** at 1/100.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SMOC1 antibody (ab200219)



Anti-SMOC1 antibody (ab200219) at 1/500 dilution + OV2008 cell lysate

Predicted band size: 48 kDa

Western blot - Anti-SMOC1 antibody (ab200219)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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