


Anti-Smad2 + Smad3 antibody ab63672

[16 References](#) [1 Image](#)

Overview

Product name	Anti-Smad2 + Smad3 antibody
Description	Rabbit polyclonal to Smad2 + Smad3
Host species	Rabbit
Specificity	ab63672 detects endogenous levels of total Smad2 and Smad3.
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human, African green monkey Predicted to work with: Mouse 
Immunogen	Synthetic non-phosphopeptide derived from human Smad2 and Smad3 around the phosphorylation site of threonine 8 (P-F-T ^P -P-P).
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	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer	<p>pH: 7.40</p> <p>Preservative: 0.02% Sodium azide</p> <p>Constituents: PBS, 50% Glycerol, 0.87% Sodium chloride</p> <p>Without Mg²⁺ and Ca²⁺</p>
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab63672 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		1/500 - 1/1000. Detects a band of approximately 48 kDa.

Target

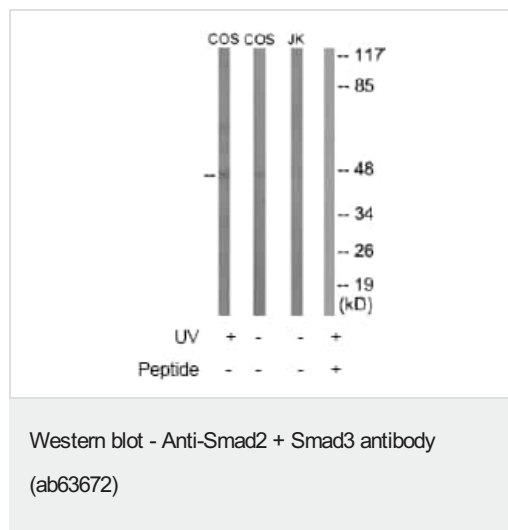
Relevance

SMAD is a family of proteins similar to the gene products of the Drosophila gene 'mothers against decapentaplegic' (Mad) and the *C. elegans* gene Sma. SMAD proteins are signal transducers and transcriptional modulators that mediate multiple signaling pathways. They mediate the signal of the transforming growth factor (TGF)-beta, and thus regulate multiple cellular processes, such as cell proliferation, apoptosis, and differentiation.

Cellular localization

Cytoplasm. Nucleus. Note: Cytoplasmic in the absence of ligand. Migrates to the nucleus when complexed with SMAD4.

Images



All lanes : Anti-Smad2 + Smad3 antibody (ab63672) at 1/500 dilution

Lane 1 : COS-7 (African green monkey kidney fibroblast-like cell line) cell extracts treated with UV (15mins)

Lane 2 : COS-7 (African green monkey kidney fibroblast-like cell line) cell extracts untreated

Lane 3 : Jurkat cell extracts treated with EGF (200ng/ml, 30mins)

Lane 4 : Jurkat cell extracts treated with EGF (200ng/ml, 30mins) with immunizing peptide at 10 µg

Lysates/proteins at 30 µg per lane.

Observed band size: 48 kDa

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

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