

Datasheet for ABIN969405

anti-SMAD6 antibody[Go to Product page](#)**1** Image**3** Publications

Overview

Quantity:	100 µL
Target:	SMAD6
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This SMAD6 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Purified recombinant fragment of human SMAD6 expressed in E. coli. ,
Clone:	5H3
Isotype:	IgG1
Purification:	purified

Target Details

Target:	SMAD6
Alternative Name:	SMAD6 (SMAD6 Products)
Background:	<p>Description: Antagonist of signaling by TGF-beta (transforming growth factor) type 1 receptor superfamily members, has been shown to inhibit selectively BMP (bone morphogenetic proteins) signaling by competing with the co-SMAD SMAD4 for receptor-activated SMAD1.</p> <p>SMAD6 is an inhibitory SMAD (I-SMAD) or antagonistic SMAD. Binds to regulatory elements in</p>

Target Details

target promoter regions. Tissue specificity: Ubiquitous in various organs, with higher levels in lung. Isoform B is up-regulated in diseased heart tissue.

Aliases: MADH6, MADH7, HsT17432, SMAD6

Molecular Weight: 53 kDa

Gene ID: 4091

HGNC: 4091

Pathways: [Chromatin Binding](#)

Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Ascitic fluid containing 0.03 % sodium azide.

Preservative: Sodium azide

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

Storage: 4 °C/-20 °C

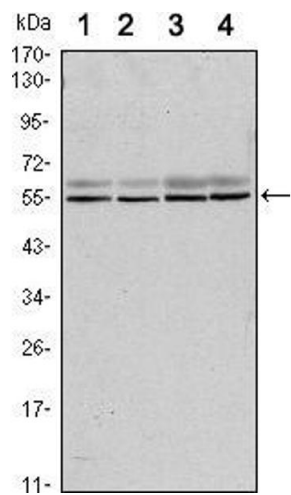
Storage Comment: 4°C, -20°C for long term storage

Publications

Product cited in: Mishra, Thakur, Somal, Parmar, Yadav, Bharati, Bharti, Paul, Verma, Chouhan, Sharma, Singh, González, D'Occhio, Sarkar et al.: "Expression and localization of angiopoietin family in buffalo ovarian follicles during different stages of development and modulatory role of angiopoietins on steroidogenesis and survival of cultured ..." in: **Theriogenology**, Vol. 86, Issue 7, pp. 1818-33, (2016) ([PubMed](#)).

Mishra, Parmar, Yadav, Reshma, Bharati, Bharti, Paul, Chouhan, Taru Sharma, Singh, Sarkar et al.: "Expression and localization of angiopoietin family in corpus luteum during different stages of oestrous cycle and modulatory role of angiopoietins on steroidogenesis, angiogenesis and

survivability ..." in: **Reproduction in domestic animals = Zuchthygiene**, Vol. 51, Issue 6, pp. 855-869, (2016) ([PubMed](#)).



Western Blotting

Image 1. Western blot analysis using SMAD6 mouse mAb against A431 (1), A431 (2), HeLa (3) and Jurkat (4) cell lysate.