

Datasheet for ABIN388085

anti-SUMO2 antibody (C-Term)

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Overview

Quantity:	400 µL
Target:	SUMO2
Binding Specificity:	AA 63-93, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SUMO2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This SUMO2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 63-93 amino acids from the C-terminal region of human SUMO2.
Clone:	RB2761
Isotype:	Ig Fraction
Predicted Reactivity:	X, Zf, B, C, Ha, Pr, M, Pig, Rat
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	SUMO2
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Target Details

Alternative Name:	SUMO2 (SUMO2 Products)
Background:	SUMO2 is a member of the SUMO (small ubiquitin-like modifier) protein family. This protein family functions in a manner similar to ubiquitin in that it is bound to target proteins as part of a post-translational modification system. However, unlike ubiquitin which targets proteins for degradation, this protein is involved in a variety of cellular processes, such as nuclear transport, transcriptional regulation, apoptosis, and protein stability. In vertebrates, three members of the SUMO family have been described, SUMO 1 and the functionally distinct homologues SUMO 2 and SUMO 3. SUMO modification sites present in the N terminal regions of SUMO 2 and SUMO 3 are utilized by SAE1/SAE2 (SUMO E1) and Ubc9 (SUMO E2) to form polymeric chains of SUMO 2 and SUMO 3 on protein substrates, a property not shared by SUMO 1.
Molecular Weight:	10871
Gene ID:	6613
NCBI Accession:	NP_001005849 , NP_008868
UniProt:	P61956
Pathways:	Methionine Biosynthetic Process

Application Details

Application Notes:	WB: 1:1000. WB: 1:1000. WB: 1:1000. IHC-P: 1:50~100
Restrictions:	For Research Use only

Handling

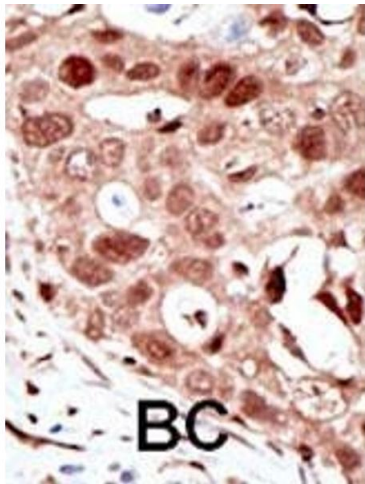
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

Publications

Product cited in: Wu, Li, Fang, Yi, Chen, Long, Gao, Wei, Chen: "Investigation of synergistic mechanism and identification of interaction site of aldose reductase with the combination of gigantol and syringic acid for prevention of diabetic cataract." in: **BMC complementary and alternative medicine**, Vol. 16, Issue 1, pp. 286, (2017) ([PubMed](#)).

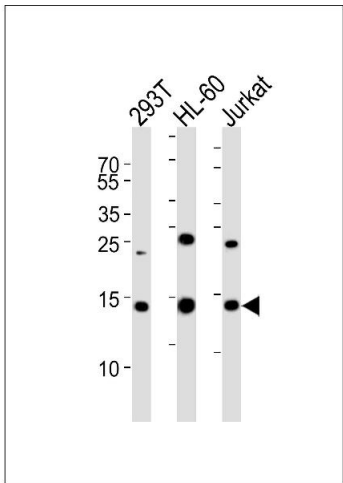
Guo, Wang, Liu, Myatt, Sun: "Induction of PGF2? synthesis by cortisol through GR dependent induction of CBR1 in human amnion fibroblasts." in: **Endocrinology**, Vol. 155, Issue 8, pp. 3017-24, (2014) ([PubMed](#)).

Images



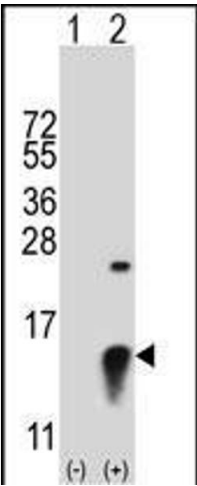
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated. BC = breast carcinoma, HC = hepatocarcinoma.



Western Blotting

Image 2. Western blot analysis of lysates from 293T, HL-60, Jurkat cell line (from left to right), using SUMO2 Antibody A. A was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35 µg per lane.



Western Blotting

Image 3. Western blot analysis of SUMO2 (arrow) using rabbit polyclonal SUMO2 Antibody (ABIN388085 and ABIN2845979). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the SUMO2 gene.