Datasheet for ABIN1724698

anti-IGFBP2 antibody (AA 180-328)

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Overview

Quantity:	100 µL
Target:	IGFBP2
Binding Specificity:	AA 180-328
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This IGFBP2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	Purified recombinant fragment of protein IGFBP2 (aa180-328) expressed in E. coli.
Clone:	1F6F6
Isotype:	IgG1
Purification:	purified

Target Details

Target:	IGFBP2
Alternative Name:	IGFBP2 (IGFBP2 Products)
Background:	Description: IGFBP2: insulin-like growth factor binding protein 2. IGFBP2 is a member of the ISGBP family which bind various IGFs. IGFBP2 is overexpressed in a wide spectrum of other

Target Details

	cancers, including glioma, prostate cancer, synovial sarcoma, neuroblastoma, colon cancer, adrenocortical cancer, lung cancer, Wilms' tumor, and hepatoblastoma. The overexpression of IGFBP2 also correlates with the aggressiveness of some tumors. IGFBP2 activates the expression of matrix metalloprotease 2, which contributes to cell invasiveness. Aliases: IBP2, IGF-BP53
Gene ID:	3485
HGNC:	3485
Pathways:	Myometrial Relaxation and Contraction, Growth Factor Binding, Activated T Cell Proliferation

Application Details

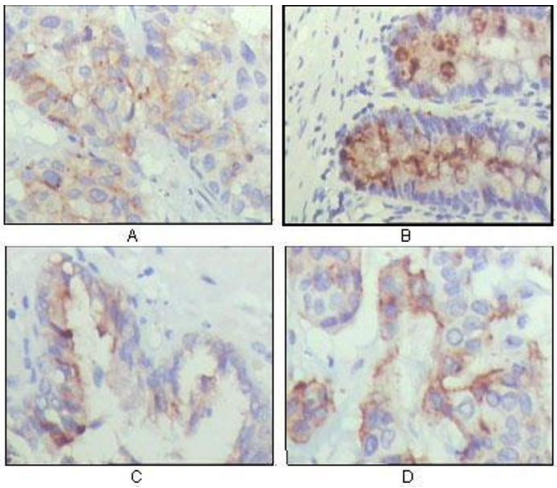
Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000
Restrictions:	For Research Use only

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

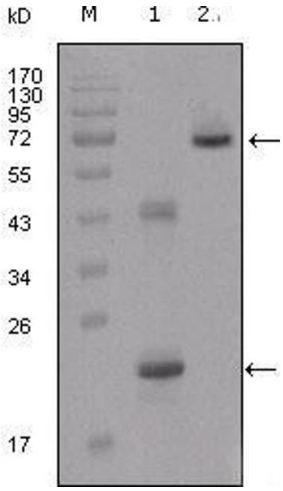
Publications

Product cited in:	Zuhlke, Johnson, Okoth, Stoffel, Robbins, Tembe, Salinas, Zheng, Xu, Carpten, Lange, Isaacs, Cooney: "Identification of a novel NBN truncating mutation in a family with hereditary prostate cancer." in: **Familial cancer**, Vol. 11, Issue 4, pp. 595-600, (2012) (PubMed). Zheng, Zhang, Jiang, You, Liu, Lu, Zhou: "Functional NBS1 polymorphism is associated with occurrence and advanced disease status of nasopharyngeal carcinoma." in: **Molecular carcinogenesis**, Vol. 50, Issue 9, pp. 689-96, (2011) (PubMed).



Immunohistochemistry

Image 1. Immunohistochemical analysis of paraffin-embedded human lung cancer (A), recturn(B), prostate (C), colon cancer (D) showing cytoplasmic localization using IGFBP2 mouse mAb with DAB staining.



Western Blotting

Image 2. Western blot analysis using IGFBP2 mouse mAb against truncated IGFBP2-His recombinant protein (1) and truncated IGFBP2 (aa40-328)-hIgGFc transfected CHO-K1 cell lysate (2).