Datasheet for ABIN401391

anti-TDGF1 antibody (Internal Region)

1 Image

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Overview

Quantity:	0.1 mg
Target:	TDGF1
Binding Specificity:	Internal Region
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TDGF1 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Synthetic peptide corresponding to an internal sequence of human Cripto-1 protein
Isotype:	IgG
Specificity:	This antibody is specific for Cripto-1 protein. Expect cross-reactivity with Cripto-3 (TDGF2) based on very high levels of sequence conservation.
Cross-Reactivity (Details):	Species reactivity (expected):Mouse. Species reactivity (tested):Human.
Purification:	Affinity chromatography

Target Details

Target:	TDGF1

Target Details

Alternative Name:	TDGF1 / CRIPTO (TDGF1 Products)
Background:	Human Cripto-1 (CR-1), also known as Teratocarcinoma-derived growth factor 1 (TDGF1), is a member of the epidermal growth factor (EGF)-GFC family and has been implicated in both embryogenesis and carcinogenesis. During early vertebrate development, CR-1 functions as a co-receptor for Nodal, a transforming growth factor beta (TGFbeta) family member, and is essential for mesoderm and endoderm formation and anterior-posterior and left-right axis establishment. In adult tissues, CR-1 is expressed at a low level in all stages of mammary gland development, and expression increases during pregnancy and lactation. Over-expression of CR-1 in mouse mammary epithelial cells leads to their transformation in vitro, and when injected in mammary glands, CR-1 produces ductal hyperplasias.Synonyms: CRGF, Cripto-1 growth factor, Epidermal growth factor-like cripto protein CR1, Teratocarcinoma-derived growth factor 1
Gene ID:	6997
NCBI Accession:	NP_001167607
UniProt:	P13385
Pathways:	EGFR Signaling Pathway

Application Details

Application Notes:	ELISA: 1/50,000 - 1/150,000. Western Blot: 1/500 - 1/2,000. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

Concentration:	0.80 mg/mL (by UV absorbance at 280 nm)
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 containing 0.01 % (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.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	-20 °C

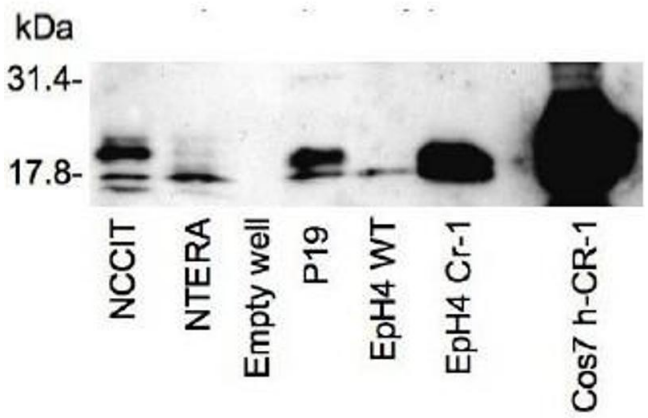
kDa
31.4-
17.8-
NCCIT
NTERA
Empty well
P19
EpH4 WT
EpH4 Cr-1
Cos7 h-CR-1

Image 1.