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Datasheet for ABIN5539608 anti-FGF14 antibody (N-Term)

2 Images



Overview

Quantity:	100 µg
Target:	FGF14
Binding Specificity:	N-Term
Reactivity:	Human, Mouse
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This FGF14 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Purpose:	Fgf14 (mouse N terminus)
Sequence:	REQHWDRPSA SR
Isotype:	lgG
Specificity:	This antibody is expected to recognize mouse isoform a (NP_034331.2) and human isoform 1A (NP_004106.1).
Cross-Reactivity:	Cow, Dog, Human, Mouse, Pig, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

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Target Details

Target:	FGF14
Alternative Name:	Fgf14 (FGF14 Products)
Background:	Fgf14, fibroblast growth factor 14, FHF-4, Fhf4, mFHF-4(1B), FGF-14, fibroblast growth factor homologous factor 4
Gene ID:	2259, 14169, 63851
NCBI Accession:	NP_034331, NP_997550

Application Details

Application Notes:	Immunohistochemistry: Cryosection of immersion-fixed (1 % PFA/0.5 % methanol) Human
	Hypothalamus. Optimal dilution: 1:5000. *Vibratome prepared sample for optimal labelling.
	Western Blot: Approx 28 kDa band observed in Mouse and Human Brain lysates (calculated
	MW of 28.3 kDa according to NP_997550.1 and 27.7 kDa according to NP_034331.2).
	Recommended concentration: 1-3 μ g/mL. Primary incubation was 1 hour.
	Peptide ELISA: antibody detection limit dilution 1:128000.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
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:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.

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Immunohistochemistry

Image 1. ABIN5539608 (1:5000) immunostaining of FGF14positive axon initial segments in cryosection of an immersion-fixed (1% PFA/0.5% methanol) human hypothalamus*. Antigen retrieval with citrate buffer pH 6 at 80C for 30min. HRP-staining with Ni-DAB, after Biotin-SP

250kDa 150kDa 75kDa 50kDa 37kDa 25kDa 20kDa 15kDa

Western Blotting

Image 2. ABIN5539608 (1µg/ml) staining of Mouse Brain lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

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