

Datasheet for ABIN6140592
anti-FGF14 antibody (AA 1-252)

6 Images

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Overview

Quantity:	100 µL
Target:	FGF14
Binding Specificity:	AA 1-252
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FGF14 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-252 of human FGF14 (NP_787125.1).
Sequence:	MVKPVPLFRR TDFKLLLCNH KDLFFLRVSK LLDCFSPKSM WFLWNIFSKG THMLQCLCGK SLKKNKNPTD PQLKGIVTRL YCRQGYLQM HPDGALDGTK DDSTNSTLFN LIPVGLRVVA IQGVKTGLYI AMNGEGYLYP SELFTPECKF KESVFENYYV IYSSMLYRQQ ESGRAWFLGL NKEGQAMKGN RVKKTTPAAH FLPKPLEVAM YREPSLHDVG ETVPKPGVTP SKSTSASAIM NGGKPVNKS K TT
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

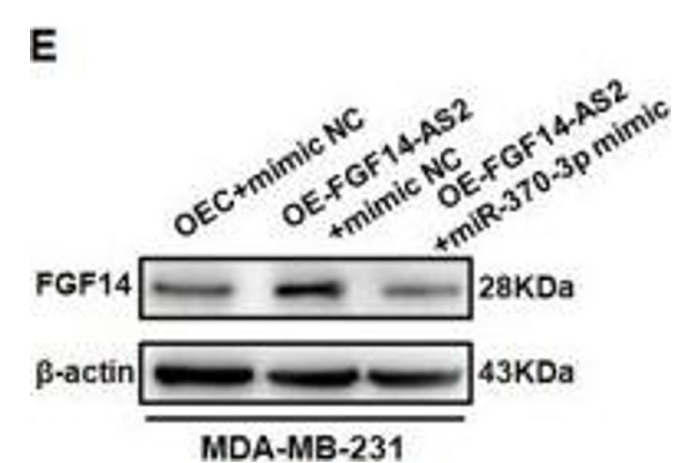
Target:	FGF14
Alternative Name:	FGF14 (FGF14 Products)
Background:	The protein encoded by this gene is a member of the fibroblast growth factor (FGF) family. FGF family members possess broad mitogenic and cell survival activities, and are involved in a variety of biological processes, including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth and invasion. A mutation in this gene is associated with autosomal dominant cerebral ataxia. Alternatively spliced transcript variants have been found for this gene.,FGF14,FGF-14,FHF-4,FHF4,SCA27,Signal Transduction,Cell Biology & Developmental Biology,Growth factor,Neuroscience,FGF14
Molecular Weight:	27 kDa/28 kDa
Gene ID:	2259
UniProt:	Q92915

Application Details

Application Notes:	WB,1:500 - 1:2000
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

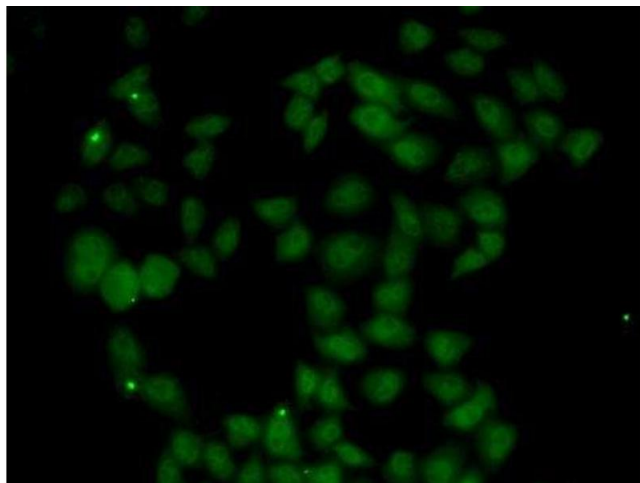
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
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:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



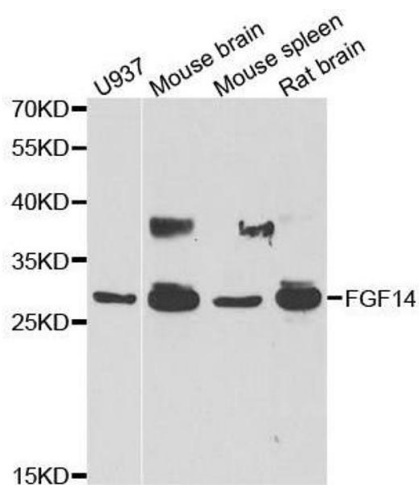
Western Blotting

Image 1. FGF14-AS2 regulates FGF14 expression by sponging miR-370-3p. a Left: The putative miR-370-3p binding site in the 3'-UTR of FGF14 and the designed mutant sequence. Right: Luciferase reporter assay in HEK 293T cells transfected with pGL3-FGF14-3'-UTR (WT or Mut) and miR-370-3p mimic. b Relative FGF14 mRNA and protein levels in MDA-MB-231 cells transfected with miR-370-3p mimic or its negative control. c Spearman correlation analysis of the association between miR-370-3p and FGF14 expression levels in 45 breast cancer tissues. d, e qRT-PCR determination of miR-370-3p (d) and western blotting analysis of FGF14 (e) expression levels in MDA-MB-231 cells co-transfected with pLVX-FGF14-AS2 and miR-370-3p mimic, or with pLVX-FGF14-AS2 and mimic NC. f Wound healing assays of the migration abilities of MDA-MB-231 cells after co-transfection with pLVX-FGF14-AS2 and miR-370-3p mimic, or with pLVX-FGF14-AS2 and mimic NC. Scale bar: 200 μ m. g Transwell assays of the migratory and invasive abilities of MDA-MB-231 cells after co-transfection with pLVX-FGF14-AS2 and miR-370-3p mimic, or with pLVX-FGF14-AS2 and mimic NC. Scale bar: 100 μ m. Data are the mean \pm SD of three independent experiments. * P <0.05, ** P <0.01, *** P <0.001, **** P <0.0001. NS, no significant difference. - figure provided by CiteAb. Source: PMID33083023



Immunofluorescence

Image 2. Immunofluorescence analysis of U2OS cells using FGF14 antibody.



Western Blotting

Image 3. Western blot analysis of extracts of various cell lines, using FGF14 antibody.

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN6140592.