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FGF14 Rabbit pAb

Catalog # AP97714

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q92915
Other Accession	Q92915
Reactivity	Human
Predicted	Rat, Mouse, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	27702
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human FGF14
Epitope Specificity	131-230/247
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the heparin-binding growth factors family.
DISEASE	Defects in FGF14 are the cause of spinocerebellar ataxia type 27 (SCA27) [MIM:609307]. Spinocerebellar ataxia is a clinically and genetically heterogeneous group of cerebellar disorders. Patients show progressive incoordination of gait and often poor coordination of hands, speech and eye movements, due to degeneration of the cerebellum with variable involvement of the brainstem and spinal cord. SCA27 is an autosomal dominant cerebellar ataxia (ADCA). It is a slowly progressive disorder, with onset in late-childhood to early adulthood, characterized by ataxia with tremor, orofacial dyskinesia, psychiatric symptoms and cognitive deficits.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Fibroblast growth factor-1 (FGF-1), also designated acidic FGF, and fibroblast growth factor-2 (FGF-2), also designated basic FGF, are members of a family of growth factors that stimulate proliferation of cells of mesenchymal, epithe-lial and neuroectodermal origin. Additional members of the FGF family include the oncogenes FGF-3 (Int2) and FGF-4 (hst/Kaposi), FGF-5, FGF-6, FGF-7 (KGF), FGF-8 (AIGF), FGF-9 (GAF) and FGF-10–FGF-23. Members of the FGF family share 30-55% amino acid sequence identity and similar gene structure, and are capable of transforming cultured cells when overexpressed in transfected cells. Cellular receptors for FGFs are members of a second multigene family including four tyrosine kinases, designated Flg (FGFR-1), Bek (FGFR-L), TKF and FGFR-3.

Additional Information

Gene ID	2259
Other Names	FGF-14; FHF-4; FHF4; NYS4; SCA27; SCA27A; SCA27B; Fgf1b;

	Tg(tetO-MAPT*P301L)4510Kha; mFHF-4(1B); FGF14_HUMAN; FGF14; Fibroblast growth factor homologous factor 4 (FHF-4); FGF14_MOUSE; FGF14_RAT; fibroblast growth factor 14
Dilution	IHC-P=1:200-500,IHC-F=1:200-500,IF=1:200-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	FGF14
Synonyms	FHF4
Function	Probably involved in nervous system development and function.
Cellular Location	Nucleus.
Tissue Location	Nervous system.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.