ELK Biotechnology

NBPF1/9/10/12/14/15/16/20 rabbit pAb

Cat No.:ES2900

For research use only

Overview

Product Name	NBPF1/9/10/12/14/15/16/20 rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Rat;Mouse;
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human NBPF1/9/10/12/14/15/16/20. AA range:121-150
Specificity	NBPF1/9/10/12/14/15/16/20 Polyclonal Antibody detects endogenous levels of NBPF1/9/10/12/14/15/16/20 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Neuroblastoma breakpoint family member 12
Gene Name	NBPF12
Cellular localization	Cytoplasm .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	36kD
Human Gene ID	55672/400818/284565/25832
Human Swiss-Prot Number	Q5TAG4/Q6P3W6/Q5SXJ2/Q3BBV0/Q3BBW0/Q3BBV1/Q8N660/Q5TI25
Alternative Names	NBPF12; COAS1; KIAA1245; Neuroblastoma breakpoint family member 12; Chromosome 1 amplified sequence 1; NBPF10; Neuroblastoma breakpoint family member 10; NBPF16;

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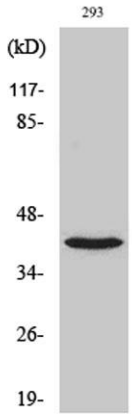
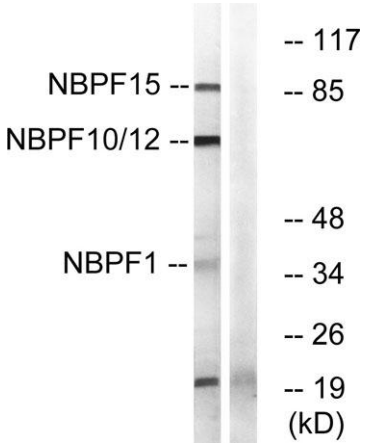
Neuroblastoma breakpoint family member 16; NBPF1; KIAA1693; Neuroblastoma brea

Background

This gene is a member of the neuroblastoma breakpoint family (NBPF) which consists of dozens of recently duplicated genes primarily located in segmental duplications on human chromosome 1. This gene family has experienced its greatest expansion within the human lineage and has expanded, to a lesser extent, among primates in general. Members of this gene family are characterized by tandemly repeated copies of DUF1220 protein domains. Gene copy number variations in the human chromosomal region 1q21.1, where most DUF1220 domains are located, have been implicated in a number of developmental and neurogenetic diseases such as microcephaly, macrocephaly, autism, schizophrenia, mental retardation, congenital heart disease, neuroblastoma, and congenital kidney and urinary tract anomalies. Altered expression of some gene family members is associated with several types of cancer. This



Western Blot analysis of various cells using NBPF1/9/10/12/14/15/16/20 Polyclonal Antibody



Western blot analysis of lysates from 293, HepG2, Jurkat, and COLO cells, using NBPF1/9/10/12/14/15/16/20 Antibody. The lane on the right is blocked with the synthesized peptide.

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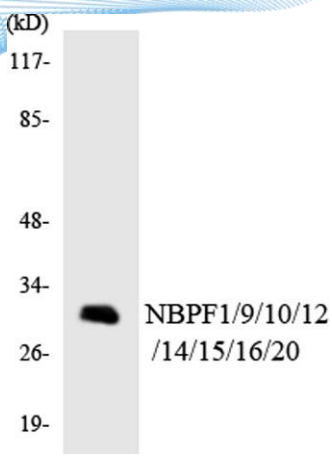
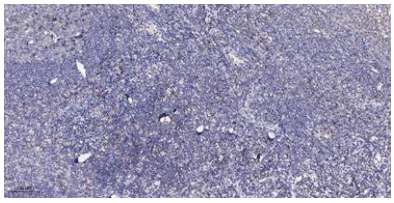


Western blot analysis of the lysates from HT-29 cells using NBPF1/9/10/12/14/15/16/20 antibody.



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).

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