

**NBPF1/9/10/12/14/15/16/20 rabbit pAb****Cat#: orb765775 (Manual)**

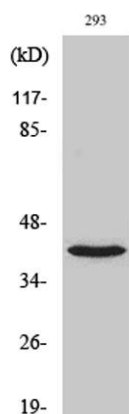
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<b>Product Name</b>	NBPF1/9/10/12/14/15/16/20 rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Rat;Mouse;
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human NBPF1/9/10/12/14/15/16/20. AA range:121-150
<b>Specificity</b>	NBPF1/9/10/12/14/15/16/20 Polyclonal Antibody detects endogenous levels of NBPF1/9/10/12/14/15/16/20 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Neuroblastoma breakpoint family member 12
<b>Gene Name</b>	NBPF12
<b>Cellular localization</b>	Cytoplasm .
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal

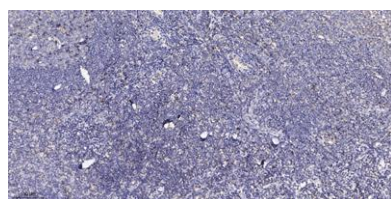
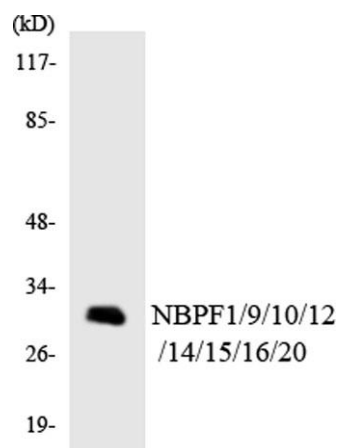
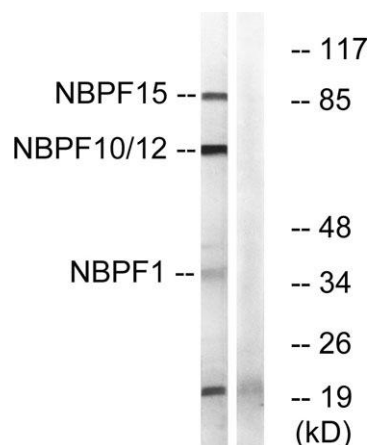
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	36kD
<b>Human Gene ID</b>	55672/400818/284565/25832
<b>Human Swiss-Prot Number</b>	Q5TAG4/Q6P3W6/Q5SXJ2/Q3BBV0/Q3BBW0/Q3BBV1/Q8N660/Q5TI25
<b>Alternative Names</b>	NBPF12; COAS1; KIAA1245; Neuroblastoma breakpoint family member 12; Chromosome 1 amplified sequence 1; NBPF10; Neuroblastoma breakpoint family member 10; NBPF16; 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**



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).