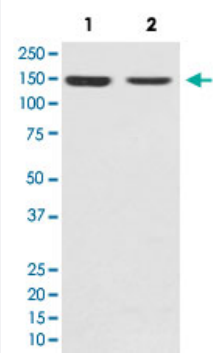
FGFR2 monoclonal antibody, clone AAAD-6

Catalog # MAB20038 Size 100 uL

Applications



Western Blot

Western Blot analysis of Lane 1: MCF-7 cell and Lane 2: mouse brain tissue lysates with FGFR2 monoclonal antibody, clone AAAD-6 (Cat # MAB20038).

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human FGFR2.
Immunogen	A synthetic peptide corresponding to human FGFR2.
Host	Rabbit
Theoretical MW (kDa)	92.025
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunoprecipitation (1:50) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).

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Storage Instruction	Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and st ored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunoprecipitation
- Western Blot

  Western Blot analysis of Lane 1: MCF-7 cell and Lane 2: mouse brain tissue lysates with FGFR2 monoclonal antibody, clone AAAD-6 (Cat # MAB20038).

Gene Info — FGFR2

Entrez GeneID	2263
Protein Accession#	P21802
Gene Name	FGFR2
Gene Alias	BEK, BFR-1, CD332, CEK3, CFD1, ECT1, FLJ98662, JWS, K-SAM, KGFR, TK14, TK25
Gene Description	fibroblast growth factor receptor 2
Omim ID	101200 101400 101600 123150 123500 123790 137215 149730 176943 207410
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the fibroblast growth factor receptor family, whe re amino acid sequence is highly conserved between members and throughout evolution. FGFR f amily members differ from one another in their ligand affinities and tissue distribution. A full-length representative protein consists of an extracellular region, composed of three immunoglobulin-like domains, a single hydrophobic membrane-spanning segment and a cytoplasmic tyrosine kinase domain. The extracellular portion of the protein interacts with fibroblast growth factors, setting in m otion a cascade of downstream signals, ultimately influencing mitogenesis and differentiation. Thi s particular family member is a high-affinity receptor for acidic, basic and/or keratinocyte growth f actor, depending on the isoform. Mutations in this gene are associated with Crouzon syndrome, P feiffer syndrome, Craniosynostosis, Apert syndrome, Jackson-Weiss syndrome, Beare-Stevenso n cutis gyrata syndrome, Saethre-Chotzen syndrome, and syndromic craniosynostosis. Multiple alt ernatively spliced transcript variants encoding different isoforms have been noted for this gene. [p rovided by RefSeq

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Other Designations	BEK fibroblast growth factor receptor|FGF receptor|OTTHUMP00000020621|OTTHUMP00000020629|bacteria-expressed kinase|hydroxyaryl-protein kinase|keratinocyte growth factor receptor|protein tyrosine kinase, receptor like 14|soluble FGFR4 variant 4

Pathway

- Endocytosis
- MAPK signaling pathway
- Pathways in cancer
- Prostate cancer
- Regulation of actin cytoskeleton

Disease

- Acrocephalosyndactylia
- Adenocarcinoma
- Alzheimer disease
- Birth Weight
- Breast cancer
- Breast Neoplasms
- Bronchial Hyperreactivity
- Carcinoma
- Cardiovascular Diseases
- Cleft Lip
- Cleft Palate
- Craniofacial Dysostosis
- Craniosynostoses
- Cystadenocarcinoma
- Depressive Disorder

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- Diabetes Complications
- Disease Susceptibility
- Endometrial Neoplasms
- Endometriosis
- Genetic Predisposition to Disease
- Hypersensitivity
- Hypospadias
- Lymphatic Metastasis
- Malignant melanoma
- Melanoma
- Metabolic Syndrome X
- Neoplasm Invasiveness
- Neoplasms
- Osteoporosis
- Ovarian cancer
- Ovarian Neoplasms
- Pancreatic cancer
- Pancreatic Neoplasms
- Schizophrenia
- Skin Neoplasms
- Sleep Apnea
- Tobacco Use Disorder

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