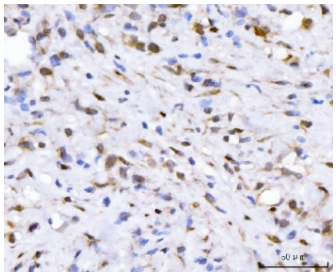
Fibroblast Growth Factor 2 Antibody / FGF2 (RQ6865)

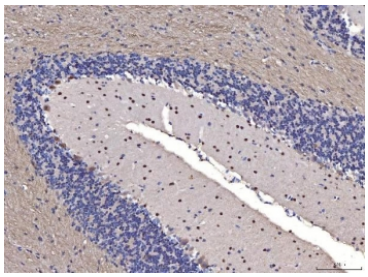
Catalog No.	Formulation	Size
RQ6865	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

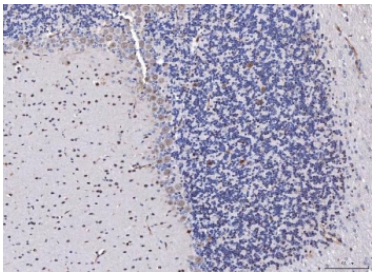
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P09038
Localization	Nuclear
Applications	Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml Immunofluorescence (FFPE) : 5ug/ml
Limitations	This Fibroblast Growth Factor 2 antibody is available for research use only.



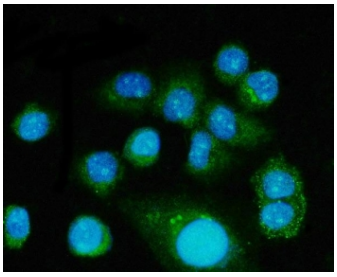
IHC staining of FFPE human gastric cancer tissue with Fibroblast Growth Factor 2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



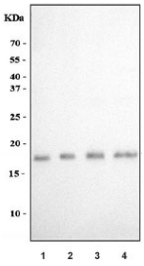
IHC staining of FFPE mouse cerebellum tissue with Fibroblast Growth Factor 2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE rat cerebellum tissue with Fibroblast Growth Factor 2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Immunofluorescent staining of FFPE human SiHa cells with Fibroblast Growth Factor 2 antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of human 1) K562, 2) U-87 MG, 3) SK-O-V3 and 4) HeLa cell lysate with Fibroblast Growth Factor 2 antibody. Predicted molecular weight: 17-31 kDa (multiple isoforms).

Description

FGF2 has been implicated in a multitude of physiologic and pathologic processes, including limb development, angiogenesis, wound healing, and tumor growth. Human FGF2 shares 96% and 97% amino acid sequence homology with mouse and rat respectively. FGF2 belongs to the fibroblast growth factor (FGF) family. Fibroblast growth factors (FGFs) exhibit widespread mitogenic and neurotrophic activities. Nine members of the family are currently known, and FGF-1 and FGF-2 are present in relatively high levels in CNS. FGF-2 is expressed by at low levels in many tissues and cell types and reaches high concentrations in brain and pituitary.

Application Notes

Optimal dilution of the Fibroblast Growth Factor 2 antibody should be determined by the researcher.

Immunogen

Amino acids RSRKYTSWYVALKRT from the human protein were used as the immunogen for the Fibroblast Growth Factor 2 antibody.

Storage

After reconstitution, the Fibroblast Growth Factor 2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.