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# FGF13 Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP50639

## Product Information

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|---|---|
| **Application** | WB |
| **Primary Accession** | Q92913 |
| **Reactivity** | Human, Mouse, Rat |
| **Host** | Rabbit |
| **Clonality** | polyclonal |
| **Calculated MW** | 27564 |

## Additional Information

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|---|---|
| **Gene ID** | 2258 |
| **Other Names** | Fibroblast growth factor 13, FGF-13, Fibroblast growth factor homologous factor 2, FHF-2, FGF13, FHF2 |
| **Dilution** | WB~~1:1000 |
| **Format** | Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol. |
| **Storage Conditions** | -20℃ |

## Protein Information

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|---|---|
| **Name** | FGF13 ( HGNC:3670) |
| **Synonyms** | FHF2 |
| **Function** | Microtubule-binding protein which directly binds tubulin and is involved in both polymerization and stabilization of microtubules (By similarity). Through its action on microtubules, may participate in the refinement of axons by negatively regulating axonal and leading processes branching (By similarity). Plays a crucial role in neuron polarization and migration in the cerebral cortex and the hippocampus (By similarity). Regulates voltage-gated sodium channel transport and function (PubMed:15282281, PubMed:33245860, PubMed:36696443). May also play a role in MAPK signaling (By similarity). Required for the development of axonal initial segment-targeting inhibitory GABAergic synapses made by chandelier neurons (By similarity). |
| **Cellular Location** | [Isoform 1]: Nucleus [Isoform 3]: Cytoplasm. Nucleus [Isoform 5]: Cytoplasm {ECO:0000250\|UniProtKB:P61329}. Nucleus {ECO:0000250\|UniProtKB:P61329} |

**Tissue Location** Ubiquitously expressed. Predominantly expressed in the nervous system.

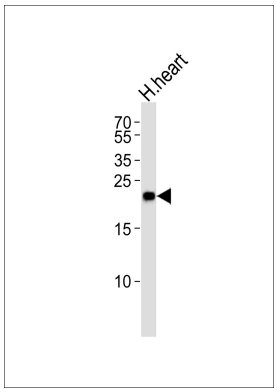
## Background

Microtubule-binding protein which directly binds tubulin and is involved in both polymerization and stabilization of microtubules. Through its action on microtubules, may participate to the refinement of axons by negatively regulating axonal and leading processes branching. Plays a crucial role in neuron polarization and migration in the cerebral cortex and the hippocampus. May also play a role in MAPK signaling.

## References


Smallwood P.M.,et al.Proc. Natl. Acad. Sci. U.S.A. 93:9850-9857(1996).
Gecz J.,et al.Hum. Genet. 104:56-63(1999).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Ross M.T.,et al.Nature 434:325-337(2005).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.


## Images




Western blot analysis of lysate from human heart tissue lysate,using FGF13 Antibody(AP50639). AP50639 was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody.Lysate at 35ug.


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