

Rabbit SUFU Polyclonal Antibody | anti-SUFU antibody

Anti-SUFU Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA125448	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Western Blot

PRODUCT SYNONYMS

SUFU; Polyclonal Antibody; Anti-SUFU Antibody; Suppressor of fused homolog; SUFUH; UNQ650; PRO1280; anti-SUFU antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	No cross reactivity with other proteins.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Na ₃ .
Sequence Length	484
Applicable Applications for anti-SUFU antibody	ELISA (Direct ELISA), FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	E Coli-derived human SUFU recombinant protein (Position: L34-H484).
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen store at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES

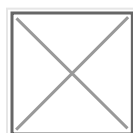
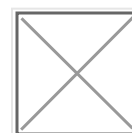
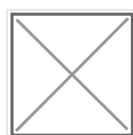

WB (Western Blot)

Figure 1. Western blot analysis of SUFU using anti-SUFU antibody.


IF (Immunofluorescence)

FCM/FACS (Flow Cytometry)

ADDITIONAL INFORMATION

Related Product Information for anti-SUFU antibody	Description: Rabbit IgG polyclonal antibody for SUFU detection. Tested with WB, ICC/IF, FCM, Direct ELISA in Human; Mouse; Rat. Background: Suppressor of fused homolog is a protein that in humans is encoded by the SUFU gene. It is mapped to 10q24.32. The Hedgehog signaling pathway plays an important role in early human development. The pathway is a signaling cascade that plays a role in pattern formation and cellular proliferation during development. This gene encodes a negative regulator of the hedgehog signaling pathway. Defects in this gene are a cause of medulloblastoma. Alternative splicing results in multiple transcript variants.
References	1. Aavikko, M., Li, S.-P., Saarinen, S., Alhopuro, P., Kaasinen, E., Morgunova, E., Li, Y., Vesanen, K., Smith, M. J., Evans, D. G. R., Poyhonen, M., Kiuru, A., Auvinen, A., Aaltonen, L. A., Taipale, J., Vahteristo, P. Loss of SUFU function in familial multiple meningioma. Am. J. Hum. Genet. 91: 520-526, 2012. 2. Brugieres, L., Pierron, G., Chompret, A., Bressac-de Paillerets, B., Di Rocco, F., Varlet, P., Pierre-Kahn, A., Caron, O., Grill, J., Delattre, O. Incomplete penetrance of the predisposition to medulloblastoma associated with germ-line SUFU mutations. J. Med. Genet. 47: 142-144, 2010. 3. De Mori, R., Romani, M., D'Arrigo, S., Zaki, M. S., Lorefice, E., Tardivo, S., Biagini, T., Stanley, V., Musaev, D., Fluss, J., Micalizzi, A., Nuovo, S., and 18 others. Hypomorphic recessive variants in SUFU impair the sonic hedgehog pathway and cause Joubert syndrome with cranio-facial and skeletal defects. Am. J. Hum. Genet. 101: 552-563, 2017.

NCBI AND UNIPROT INFORMATION

NCBI GI #	62511179
NCBI GeneID	51684
UniProt Accession #	Q9UMX1
NCBI Official Full Name	Suppressor of fused homolog
NCBI Official Synonym Full Names	SUFU negative regulator of hedgehog signaling
NCBI Official Symbol	SUFU
NCBI Official Synonym Symbols	SUFUH; JBTS32; SUFUXL; PRO1280
NCBI Protein Information	suppressor of fused homolog
UniProt Protein Name	Suppressor of fused homolog
UniProt Gene Name	SUFU
UniProt Synonym Gene Names	SUFUH
UniProt Entry Name	SUFU_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.