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Datasheet for ABIN1391622

anti-FEZF1 antibody (AA 199-280) (Alexa Fluor 647)

Overview

Quantity:	100 µL
Target:	FEZF1
Binding Specificity:	AA 199-280
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FEZF1 antibody is conjugated to Alexa Fluor 647
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human ZNF312B
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Cow,Sheep,Pig,Horse
Purification:	Purified by Protein A.

Target Details

Target:	FEZF1
Alternative Name:	ZNF312B/FEZF1 (FEZF1 Products)
Background:	Synonyms: FEZ, FEZ family zinc finger 1, Fez family zinc finger protein 1, fez like, fezf1,

Target Details

FEZF1_HUMAN, Zinc finger protein 312 like, Zinc finger protein 312B.

Background: Olfactory sensory neurons contain olfactory receptors, which are G protein-coupled receptor proteins that localize to the cilia and display affinity for and bind to a variety of odor molecules. Olfactory neurons send their axons from the olfactory epithelium to the olfactory bulb, which is covered by the CNS basal lamina. FEZF1 (Fez family zinc finger protein 1), also known as Forebrain Embryonic Zinc Finger and Zinc finger protein 312B, is a 475 amino acid nuclear protein that is expressed in the olfactory epithelium and hypothalamus of mice. In FEZF1-deficient mice, axons of olfactory neurons do not reach the olfactory bulb, suggesting that FEZF1 is required for the penetration of olfactory axons through the basal lamina before innervation of the olfactory bulb. When FEZF1 translocates to the nucleus, it induces KRAS overexpression, resulting in activation of ERK-signaling. Overexpression of FEZF1 leads to accelerated proliferation in cultured cells and increased tumor mass in mice. There are three isoforms of FEZF1 that are produced as a result of alternative splicing events.

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months