

ZIC1/2/3 Antibody

Catalog No: #33598

Package Size: #33598-1 50ul #33598-2 100ul

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Description

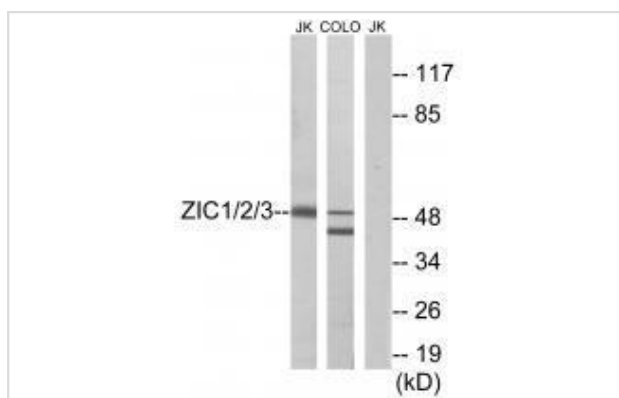
Product Name	ZIC1/2/3 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB IHC
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous levels of total ZIC1/2/3 protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from internal of human ZIC1/2/3.
Target Name	ZIC1/2/3
Other Names	Zinc finger protein ZIC 1; Zinc finger protein of the cerebellum 1; ZIC1;
Accession No.	Swiss-Prot: Q15915NCBI Gene ID: 7545/7546/7547
SDS-PAGE MW	51kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:500~1:3000

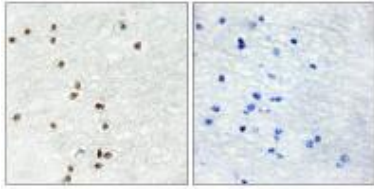
Immunohistochemistry: 1:50~1:100

Images



Western blot analysis of extracts from Jurkat cells and COLO cells, using ZIC1/2/3 antibody #33598.

Immunohistochemistry analysis of paraffin-embedded human brain tissue using ZIC1/2/3 antibody #33598.



Background

Acts as a transcriptional activator. Involved in neurogenesis. Plays important roles in the early stage of organogenesis of the CNS, as well as during dorsal spinal cord development and maturation of the cerebellum. Involved in the spatial distribution of mossy fiber (MF) neurons within the pontine gray nucleus (PGN). Plays a role in the regulation of MF axon pathway choice. Promotes MF migration towards ipsilaterally-located cerebellar territories. May have a role in shear flow mechanotransduction in osteocytes. Retains nuclear GLI1 and GLI3 in the cytoplasm. Binds to the minimal GLI-consensus sequence 5'-TGGGTGGTC-3' By similarity.

Yokota N., Cancer Res. 56:377-383(1996).

Note: This product is for in vitro research use only and is not intended for use in humans or animals.