ALX4 Antibody

Catalog No: #46928

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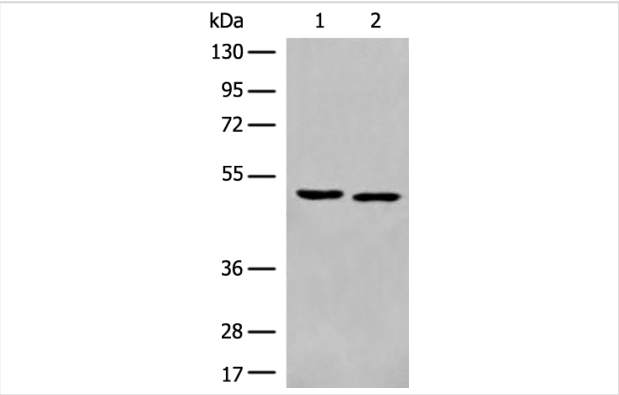
Description

Product Name	ALX4 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification
Applications	WB
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total ALX4 protein.
Immunogen Type	peptide
Immunogen Description	Synthetic peptide of human ALX4
Target Name	ALX4
Other Names	CRS5; FND2
Accession No.	Swiss-Prot#:Q9H161NCBI Gene ID:60529Gene Accssion:NP_068745
Uniprot	Q9H161
GeneID	60529;
Calculated MW	44 kDa
Concentration	0.6mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Storage	Store at -20C

Application Details

Western blotting:1:200-1000

Images



Gel: 8%SDS-PAGE
Lysate: 40 µg, Lane 1-2: Mouse brain tissue and HEPG2 cell lysates
Primary antibody:ALX4 Antibody at dilution 1/250
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution
Exposure time: 2 minutes

Background

This gene encodes a paired-like homeodomain transcription factor expressed in the mesenchyme of developing bones, limbs, hair, teeth, and mammary tissue. Mutations in this gene cause parietal foramina 2 (PFM2); an autosomal dominant disease characterized by deficient ossification of

the parietal bones. Mutations in this gene also cause a form of frontonasal dysplasia with alopecia and hypogonadism; suggesting a role for this gene in craniofacial development, mesenchymal-epithelial communication, and hair follicle development. Deletion of a segment of chromosome 11 containing this gene, del(11)(p11p12), causes Potocki-Shaffer syndrome (PSS); a syndrome characterized by craniofacial anomalies, mental retardation, multiple exostoses, and genital abnormalities in males. In mouse, this gene has been shown to use dual translation initiation sites located 16 codons apart.

Note: This product is for in vitro research use only