LHX2 Antibody

Catalog No: #48464

Package Size: #48464-1 50ul #48464-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

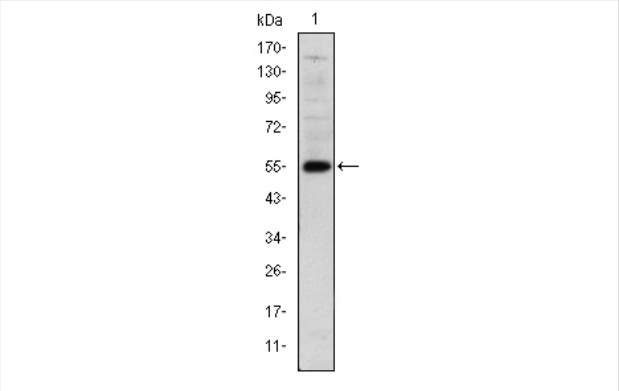
Description

Product Name	LHX2 Antibody
Host Species	Mouse
Clonality	Monoclonal
Clone No.	F8-G2
Purification	ProA affinity purified
Applications	WB,ICC
Species Reactivity	Hu
Immunogen Description	Recombinant protein
Other Names	hLhx2 antibody Homeobox protein LH-2 antibody Homeobox protein LH2 antibody LH2 antibody LHX2 antibody LHX2_HUMAN antibody LIM homeobox 2 antibody LIM homeobox protein 2 antibody LIM HOX gene 2 antibody LIM/homeobox protein Lhx2 antibody
Accession No.	Swiss-Prot#:P50458
Uniprot	P50458
GeneID	9355;
Calculated MW	44 kDa
Formulation	1*TBS (pH7.4), 1%BSA, Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

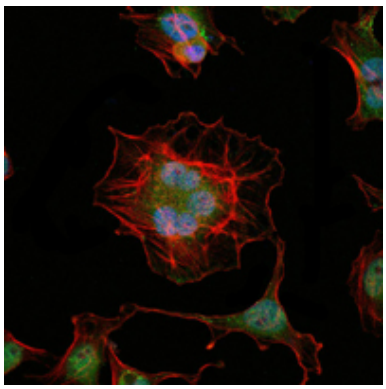
Application Details

WB: 1:500-1:1,000ICC: 1:50-1:200

Images



Western blot analysis of LHX2 on human LHX2 recombinant protein using anti-LHX2 antibody at 1/1,000 dilution.



ICC staining LHX2 (green) and actin filaments (red) in Hela cells. The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Background

During development, genetically distinct subtypes of motor neurons express unique combinations of LIM-type homeodomain factors, which regulate cell migration and guide motor axons to establish the fidelity of a binary choice in axonal trajectory. The LIM gene family encodes a set of gene products, which carry the LIM domain, a unique cysteine-rich zinc-binding domain. The overlapping expression of LHX1, LHX3, LHX4, Isl-1 and Isl-2 in developing motor neurons along the spinal column may influence the establishment of specific motor neuron subtypes. The human LHX2 gene maps to chromosome 9q33.3 and encodes a 389 amino acid protein. LHX2 is involved in early patterning of the telencephalon, where the neuroepithelium is first divided into cortical tissue and cortical hem.

References

Note: This product is for in vitro research use only