

Anti-IRX1 Polyclonal Antibody 2

Product Details

Ig Type:	IgG
Reactivity:	Mouse (predicted:Human,Rat,Chicken,Cow,Horse,Rabbit)
Molecular Weight:	Theoretical: 50 kDa. Actual: 50 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	1. Sample:
	Kidney (Mouse) Lysate at 40 µg
	Lung (Mouse) Lysate at 40 µg
	Primary: Anti-IRX1 (TMAB-07819) at 1/300 dilution
	Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
	Predicted band size: 50 kD
	Observed band size: 50 kD
	2. Sample: Cerebrum (Mouse) Lysate at 40 µg
	Primary: Anti-IRX1 (TMAB-07819) at 1/300 dilution
	Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 50 kD	
Observed band size: 50 kD	
Application:	WB
Recommended	WB: 1:500-2000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human IRX1
Antigen Species:	Human
Gene ID:	79192
Uniprot ID:	P78414

Research Background

The Iroquois homeobox gene family of transcription factors regulate aspects of embryonic development including anterior/posterior and dorsal/ventral axis patterning in the central nervous system. The Iroquois family are clustered on two loci, IRXA and IRXB, which map to chromosomes 8 and 13 in mice. The IRXA group includes Irx1, Irx2 and Irx4; the IRXB group is comprises Irx3, Irx5 and Irx6. Irx1 and Irx2 are both widely expressed during development in the lung epithelium and also in the ventricular septum. Irx1 and Irx2 also play a role in digit formation (E11.5-E14.5). The Irx gene family members are each expressed in a distinct pattern during mouse heart development. Specifically, Irx1 and Irx2 are expressed in the ventricular septum and Irx3 is expressed in the ventricular trabeculated myocardium. In

A DRUG SCREENING EXPERT

In addition, *Irx4* is expressed in the linear heart tube and the AV canal; *Irx5* is expressed in the endocardium lining the ventricular and atrial myocardium. Furthermore, the *IRX4* gene may modulate cardiac development and function. Although the heart of *Irx4*(-) mice appears to develop normally, adult *Irx4*(-) mice exhibit cardiomyopathy, including cardiac hypertrophy and decreased contractility.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481