Data Sheet (Cat.No.TMAB-14365)

Anti-ZNF312 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Mouse,Rat (predicted:Human,Dog,Cow,Horse,Rabbit,Sheep)
Molecular Weight:	Theoretical: 49 kDa. Actual: 49 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	1. Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (ZNF312) Polyclonal Antibody, Unconjugated (TMAB-14365) at 1:500 overnight at 4°C, followed by a conjugated secondary for 20 minutes and DAB staining. 2. Paraformaldehyde-fixed, paraffin embedded (Mouse embryos); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (ZNF312) Polyclonal Antibody, Unconjugated (TMAB-14365) at 1:500 overnight at 4°C, followed by a conjugated secondary for 20 minutes and DAB staining. 3. Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01 M, pH 6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-ZNF312 Polyclonal Antibody, Unconjugated (TMAB-14365) 1: 200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining 4. Sample: Lane 1: Mouse Cerebrum tissue lysates Lane 2: Mouse Spinal cord tissue lysates Lane 3: Rat Cerebrum tissue lysates Primary: Anti-ZNF312 (TMAB-14365) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 49 kDa Observed band size: 49 kDa
Application:	WB,IHC-P,IHC-Fr,IF
Recommended	WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

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 ZNF312
Antigen Species:	Human
Gene ID:	55079
Uniprot ID:	Q8TBJ5

Research Background

ZNF312, also known as Fezf2 or Fez-like, is a zinc finger protein that acts as a transcriptional repressor during the development of corticospinal motor neurons and other subcerebral projection neurons. ZNF312 is expressed by early progenitor cells in the ventricular zone. It regulates the fate choice of subcortical projection neurons in the developing cerebral cortex. This protein is expressed in the developing cortical plate during early embryonic development. During late embryonic development and early postnatal development, ZNF312 expression disappears from the cortical progenitors and becomes restricted to the subplate nad the prospective layer V and VI pyramidal neurons.

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