



## Rabbit Anti-ZNF312 antibody

SL12148R

<b>Product Name:</b>	ZNF312
<b>Chinese Name:</b>	Zinc finger protein312抗体
<b>Alias:</b>	Fez; FEZ family zinc finger protein 2; FEZF 2; FEZF2; FEZL; FKSG36; FLJ10142; Forebrain embryonic zinc finger like protein 2; TOF; ZFP 312; Zfp312; Zinc finger FEZL; Zinc finger protein 312; Zinc finger protein FEZ like; ZNF 312; FEZF2 HUMAN.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Cow,Horse,Rabbit,Sheep,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	49kDa
<b>Cellular localization:</b>	The nucleus
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human ZNF312:10-120/459
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	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 and the prospective layer V and VI pyramidal neurons.

**Function:**

Transcription repressor. Required for the specification of corticospinal motor neurons and other subcerebral projection neurons. May play a role in layer and neuronal subtype-specific patterning of subcortical projections and axonal fasciculation. Controls the development of dendritic arborization and spines of large layer V pyramidal neurons. May be involved in innate immunity (By similarity).

**Subcellular Location:**

Nuclear.

**Similarity:**

Belongs to the krueppel C2H2-type zinc-finger protein family. Contains 6 C2H2-type zinc fingers.

**SWISS:**

Q8TBJ5

**Gene ID:**

55079

**Database links:**

[Entrez Gene: 55079](#)Human

[Entrez Gene: 54713](#)Mouse

[Entrez Gene: 305719](#)Rat

[Omim: 607414](#)Human

[SwissProt: Q8TBJ5](#)Human

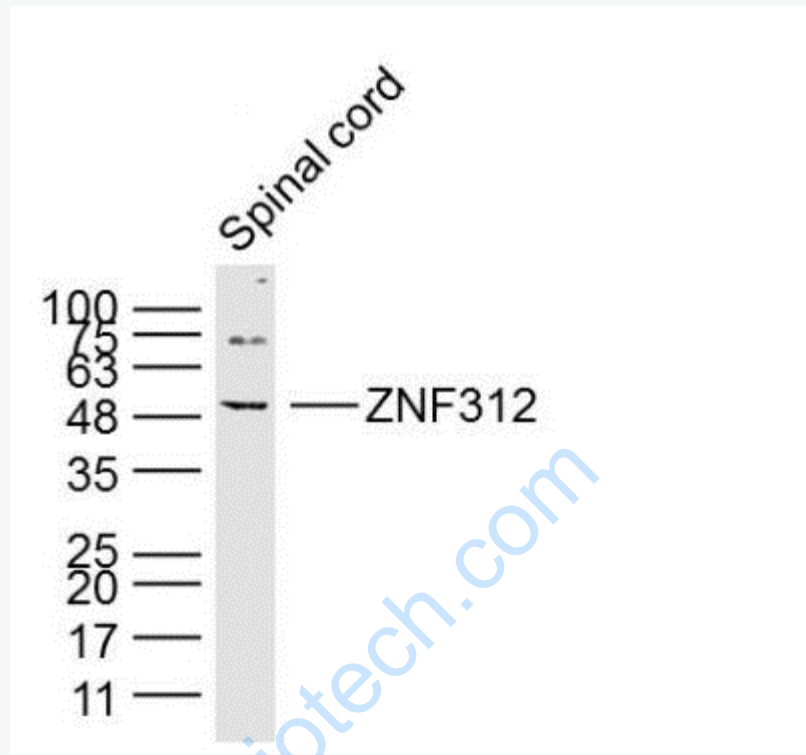
[SwissProt: Q9ESP5](#)Mouse

[Unigene: 241523](#)Human

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



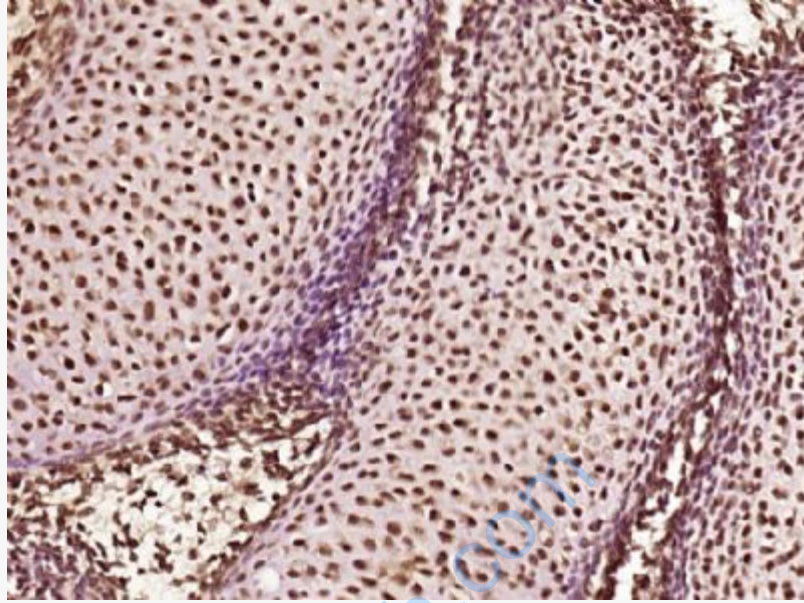
Sample: Spinal cord (Mouse) Lysate at 40 ug

Primary: Anti-ZNF312 (SL12148R) at 1/300 dilution

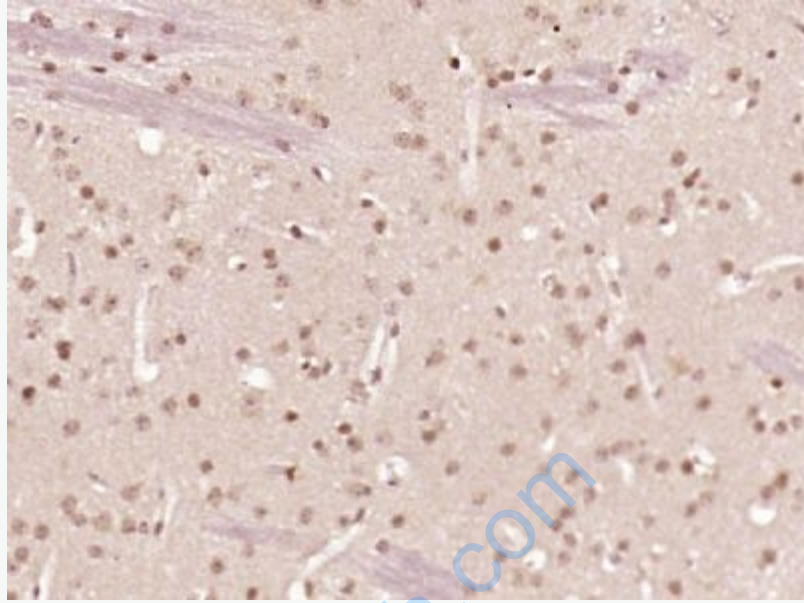
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 49 kD

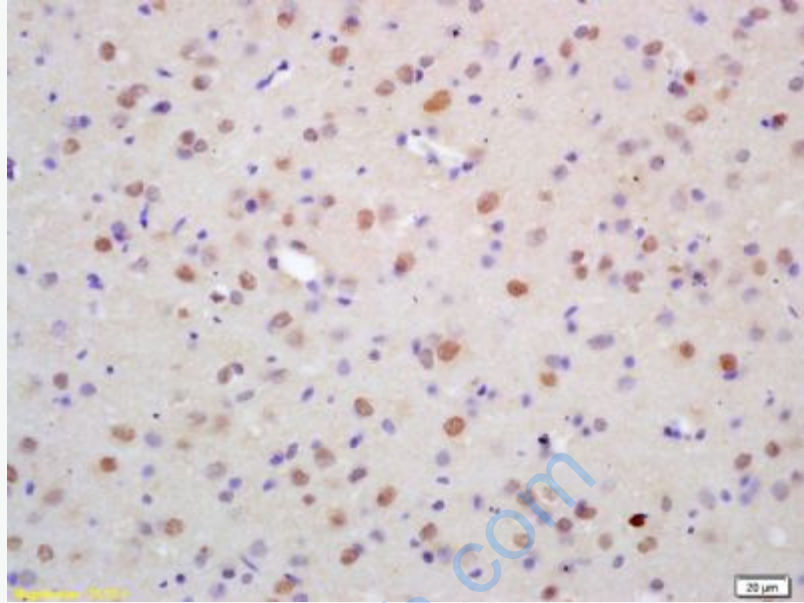
Observed band size: 49 kD



Paraformaldehyde-fixed, paraffin embedded (Mouse embryos); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (ZNF312) Polyclonal Antibody, Unconjugated (SL12148R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (ZNF312) Polyclonal Antibody, Unconjugated (SL12148R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;  
Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;  
Incubation: Anti-ZNF312 Polyclonal Antibody, Unconjugated(SL12148R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining