

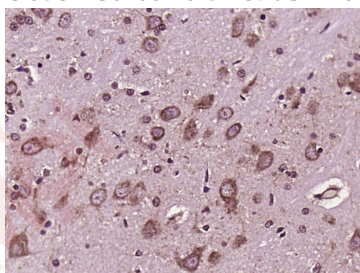
Anti-Axin-2 Polyclonal Antibody

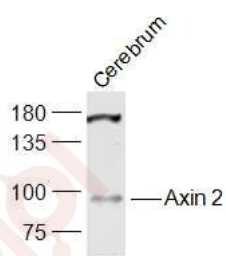
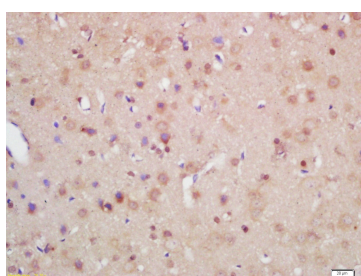
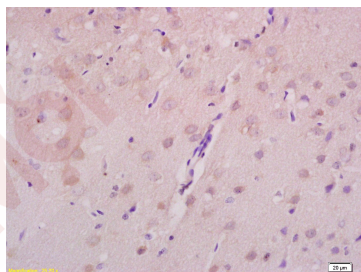
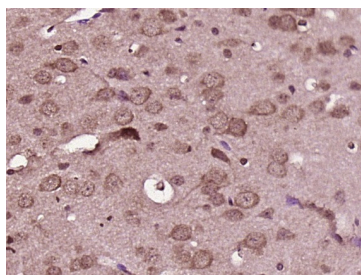
Product Details

Ig Type:	IgG
Reactivity:	Mouse,Rat (predicted:Human,Dog,Horse)
Molecular Weight:	Theoretical: 93 kDa. Actual: 93 kDa.
Purification:	Protein A purified

Applications

1. Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (Axin 2) Polyclonal Antibody, Unconjugated (TMAB-00176) at 1:400 overnight at 4°C, followed by a conjugated secondary antibody for 20 min and DAB staining.
2. 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 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (Axin 2) Polyclonal Antibody, Unconjugated (TMAB-00176) at 1:400 overnight at 4°C, followed by a conjugated secondary antibody for 20 min and DAB staining.
3. Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH6.0), 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-Axin 2 Polyclonal Antibody, Unconjugated (TMAB-00176) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAb staining.
4. Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH6.0), 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-Axin 2 Polyclonal Antibody, Unconjugated (TMAB-00176) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAb staining.
5. Sample:
Cerebrum (Mouse) Lysate at 40 µg
Primary: Anti-Axin 2 (TMAB-00176) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 93 kDa
Observed band size: 93 kDa





Application: IF,IHC-Fr,IHC-P,WB

Recommended WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

Properties

Stability & Storage: 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 Axin 2 corresponding

Antigen Species: Human

Gene ID: 8313

Uniprot ID: Q9Y2T1

Synonyms: AXIN2;Axin-like protein (Axil);Axin-2;Conductin;Axis inhibition protein 2

Biology Area: Cell differentiation,Cell differentiation,Proto-oncogenes,Neurogenesis,Cytoplasmic

Research Background

Inhibitor of the Wnt signaling pathway. Down-regulates beta-catenin. Probably facilitate the phosphorylation of beta-catenin and APC by GSK3B.

Involvement in disease: Defects in AXIN2 are involved in colorectal cancer (CRC). They appear to be specifically associated with defective mismatch repair.

Defects in AXIN2 are the cause of oligodontia-colorectal cancer syndrome (ODCRCS). Affected individuals manifest severe tooth agenesis and colorectal cancer or precancerous lesions of variable types.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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