

Anti-OX1R/OX2R Polyclonal Antibody

Product Details

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

Applications

1. Sample:

Cerebral cortex (Mouse) Lysate at 40 µg
 Hippocampus (Mouse) Lysate at 40 µg
 Brain (Mouse) Lysate at 40 µg
 Brain (Rat) Lysate at 40 µg
 Primary: Anti-Orexin receptor 1+2 (TMAB-01305) at 1/500 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
 Predicted band size: 50 kDa
 Observed band size: 50 kDa

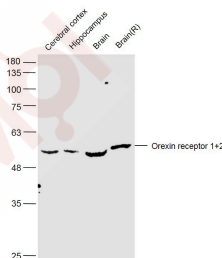
2. Sample:

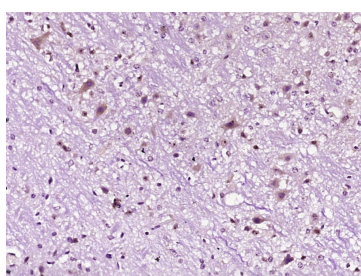
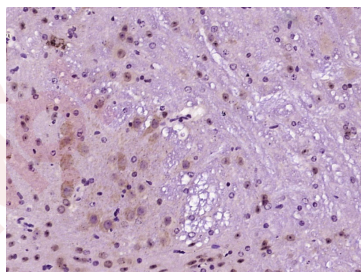
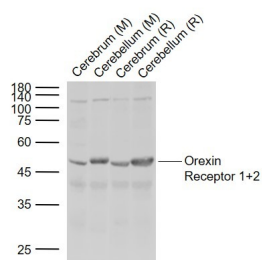
Lane 1: Mouse Cerebrum tissue lysates
 Lane 2: Mouse Cerebellum tissue lysates
 Lane 3: Rat Cerebrum tissue lysates
 Lane 4: Rat Cerebellum tissue lysates
 Primary: Anti-Orexin receptor 1+2 (TMAB-01305) at 1/1000 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
 Predicted band size: 50 kDa
 Observed band size: 50 kDa

Verified Activity:

3. 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 (Orexin receptor 1+2) Polyclonal Antibody, Unconjugated (TMAB-01305) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

4. Paraformaldehyde-fixed, paraffin embedded (Mouse Cerebellum); 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 (Orexin receptor 1+2) Polyclonal Antibody, Unconjugated (TMAB-01305) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.





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 Orexin receptor 1/2

Antigen Species: Human

Gene ID: 3061

Uniprot ID: O43613

Synonyms: Hcrtr2;Orexin Receptor 1 and 2;Ox-2-R;Ox2-R;Ox1-R;Orexin receptor 2;HCRTR 1;Hypocretin receptor type 2;Hypocretin(orexin) receptor 2;Orexin receptor 1+2;Ox-1-R;OX2R;Orexin receptor type 2;Hypocretin receptor type 1;OX1R;Hypocretin receptor 2;HCRTR1;Orexin receptor type 1

Biology Area: Obesity,Receptors,Metabolism,GPCR

Research Background

The protein encoded by this gene is a G-protein coupled receptor involved in the regulation of feeding behavior. The encoded protein binds the hypothalamic neuropeptides orexin A and orexin B. A related gene (HCRTR1) encodes a G-protein coupled receptor that selectively binds orexin A. [provided by RefSeq, Jan 2009]

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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