

Anti-gp130/IL6ST Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Molecular Weight:	Theoretical: 99 kDa. Actual: 130 kDa.
Purification:	Protein A purified

Applications

- Sample: Lung (Mouse) Lysate at 30 µg
 Primary: Anti-CD130 (TMAB-00785) at 1/300 dilution
 Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/10000 dilution
 Predicted band size: 99 kDa
 Observed band size: 130 kDa
- Tissue/cell: human colon carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded;
 Antigen retrieval: citrate buffer (0.01M, pH6.0), Boiling bathing for 15 min; Blocking buffer (normal goat serum) at 37°C for 20 min;
 Incubation: Anti-IL-6R Beta/CD130/gp130 Polyclonal Antibody, Unconjugated (TMAB-00785) 1:300, overnight at 4°C; The secondary antibody was Goat Anti-Rabbit IgG, FITC conjugated used at 1:200 dilution for 40 minutes at 37°C. DAPI (5 µg/ml, blue) was used to stain the cell nucleus.
- Blank control: Raji (blue). Primary Antibody: Rabbit Anti-CD34 antibody (TMAB-00785), Dilution: 1 µg in 100 µL 1X PBS containing 0.5% BSA; Isotype Control Antibody: Rabbit IgG (orange), used under the same conditions); Secondary Antibody: Goat anti-rabbit IgG-Pe (white blue), Dilution: 1:200 in 1 X PBS containing 0.5% BSA.

Protocol

The cells were fixed with 2% paraformaldehyde (10 min). Antibody (TMAB-00785, 1 µg/1x10⁶ cells) were incubated for 30 min on the ice, followed by 1 X PBS containing 0.5% BSA + 10% goat serum (15 min) to block non-specific protein-protein interactions. Then the Goat Anti-rabbit IgG/PE antibody was added into the blocking buffer mentioned above to react with the primary antibody of TMAB-00785 at 1/200 dilution for 30 min on ice.

- Tissue/cell: Human endometrium carcinoma; 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-IL-6R Beta/CD130/gp130 Polyclonal Antibody, Unconjugated (TMAB-00785) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAb staining.

- Paraformaldehyde-fixed, paraffin embedded (rat adrenal gland); 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 (CD130) Polyclonal Antibody, Unconjugated (TMAB-00785) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

- Paraformaldehyde-fixed, paraffin embedded (mouse adrenal gland); 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 (CD130) Polyclonal Antibody, Unconjugated (TMAB-00785) at 1:200

Verified Activity:

overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

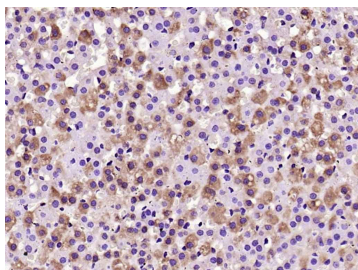
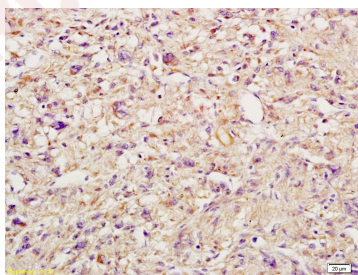
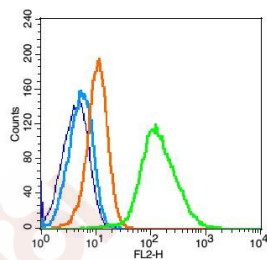
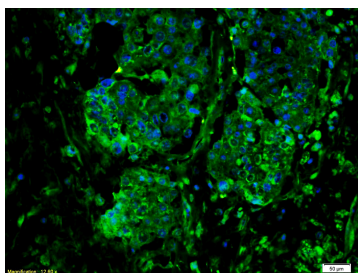
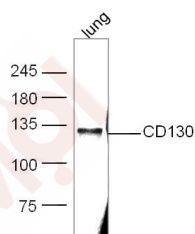
7. Sample: Lung (mouse) Lysate at 40 µg

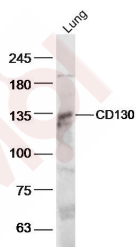
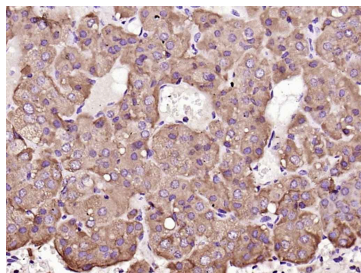
Primary: Anti-CD130 (TMAB-00785) at 1/300 dilution

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

Predicted band size: 99 kDa

Observed band size: 130 kDa





Application: FCM,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; FCM: 1µg/Test

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 IL6R beta

Antigen Species: Human

Gene ID: 3572

Uniprot ID: P40189

Synonyms: interleukin 6 signal transducer;CD130;IL-6RB;CDW130;GP130

Biology Area: Signal transduction,Apoptosis,Apoptosis,Hypertrophy,Associated Proteins,Cytokines, Transmembrane

Research Background

CD130 is a signal transducer shared by many cytokines, including interleukin 6 (IL6), ciliary neurotrophic factor (CNTF), leukemia inhibitory factor (LIF), and oncostatin M (OSM). This protein functions as a part of the cytokine receptor complex. The activation of this protein is dependent upon the binding of cytokines to their receptors. vIL6, a protein related to IL6 and encoded by the Kaposi sarcoma-associated herpesvirus, can bypass the interleukin 6 receptor (IL6R) and directly activate this protein. Knockout studies in mice suggested a critical role of the gene encoding this protein in regulating myocyte apoptosis. Alternatively spliced transcript variants encoding distinct isoforms have been described.

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