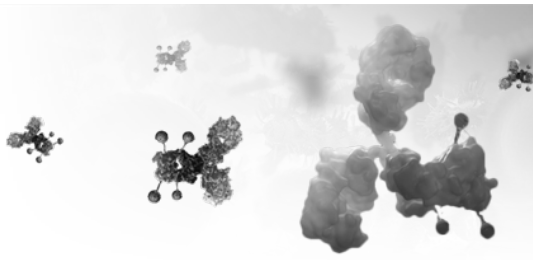

Rabbit Anti-Mouse gp130/IL6ST monoclonal antibody, clone S112 (CABT-ZB555)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	It reacts with Mouse gp130/IL6ST
Target	IL6ST
Immunogen	Recombinant Mouse IL6ST/gp130/CD130 Protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Mouse
Clone	S112
Purification	Protein A purified
Conjugate	Unconjugated
Applications	ELISA(cap) We recommend the following for sandwich ELISA (Capture - Detection): CABT-ZB555 - CABT-ZB917 This antibody will detect gp130/IL6ST in antibody pair set. [ABPR-ZB131]
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Mouse IL6ST / gp130 / CD130.
Format	Purified, Liquid
Concentration	Lot specific
Size	50 µL, 100 µL, 1 mL

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Buffer	PBS
Preservative	None
Storage	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Ship	Wet ice

BACKGROUND

Introduction	Glycoprotein 130 (also known as gp130, IL6ST, IL6-beta, or CD130) is a transmembrane protein that is the founding member of the class of all cytokine receptors. CD130/gp130 is a signal transducer shared by many cytokines, including interleukin 6 (IL6), ciliary neurotrophic factor (CNTF), leukemia inhibitory factor (LIF), and Oncostatin M (OSM). CD130/gp130 functions as a part of the cytokine receptor complex. The activation of this protein is dependent upon the binding of cytokines to their receptors. CD130/gp130 plays a critical role in regulating myocyte apoptosis. Alternatively, spliced transcript variants encoding distinct isoforms have been described. A related pseudogene has been identified on chromosome 17. The receptor systems for IL6, LIF, OSM, CNTF, IL11, CTF1, and BSF3 can utilize gp130 for initiating signal transmission. CD130/gp130 binds to IL6/IL6R (alpha chain) complex, resulting in the formation of high-affinity IL6 binding sites, and transduces the signal. CD130/gp130 may have a role in embryonic development. The type I OSM receptor is capable of transducing OSM-specific signaling events.
Keywords	IL7; interleukin 7; IL-7; interleukin-7

GENE INFORMATION

Synonyms	IL7; interleukin 7; IL-7; interleukin-7
Entrez Gene ID	3574
UniProt ID	P13232

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