Immunotag™ CD130/gp130 Antibody

Antibody Specification

Catalog No.	ITA1867
Product Description	Immunotag™ CD130/gp130 Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	CD130/gp130
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC,IF/ICC,ELISA
Recommended Dilution	WB 1:500-1:2000 IHC 1:50-1:200 IF/ICC 1:100-1:500
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human CD130/gp130
Specificity	CD130/gp130 Antibody detects endogenous levels of total CD130/gp130
Purification	The antiserum was purified by peptide affinity chromatography.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	IL6ST
Accession No.	P40189
Alternate Names	CD130; CD130 antigen; CDw130; gp130; GP130 RAPS; IL 6R beta; IL-6 receptor subunit beta; IL-6R subunit beta; IL-6R-beta; IL-6RB; IL6 ST; IL6RB_HUMAN; IL6ST; Interleukin 6 receptor subunit beta; Interleukin receptor beta chain; Interleukin-6 receptor subunit beta; Interleukin-6 signal transducer; Membrane glycoprotein 130; Membrane glycoprotein gp130; Oncostatin M receptor; Oncostatin M receptor alpha subunit; Oncostatin-M receptor subunit alpha;

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Description	Signal-transducing molecule. The receptor systems for IL6, LIF, OSM, CNTF, IL11, CTF1 and BSF3 can utilize IL6ST for initiating signal transmission. Binding of IL6 to IL6R induces IL6ST homodimerization and formation of a high-affinity receptor complex, which activates Janus kinases (PubMed:2261637). That causes phosphorylation of IL6ST tyrosine residues which in turn activates STAT3 (PubMed:19915009, PubMed:23294003). Mediates signals which regulate immune response, hematopoiesis, pain control and bone metabolism (By similarity). Has a role in embryonic development (By similarity). Does not bind IL6 (PubMed:2261637). Essential for survival of motor and sensory neurons and for differentiation of astrocytes (By similarity). Required for expression of TRPA1 in nociceptive neurons (By similarity). Required for the maintenance of PTH1R expression in the osteoblast lineage and for the stimulation of PTH-induced osteoblast differentiation (By similarity). Required for normal trabecular bone mass and cortical bone composition (By similarity).
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	160kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.