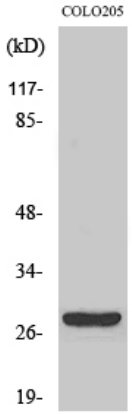
CD160 Polyclonal Antibody

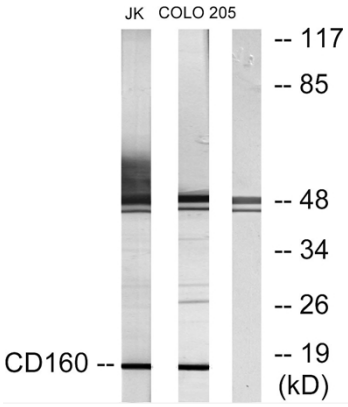
Catalog No	YP-Ab-13882
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;IF;ELISA
Gene Name	CD160
Protein Name	CD160 antigen
Immunogen	The antiserum was produced against synthesized peptide derived from human CD160. AA range:21-70
Specificity	CD160 Polyclonal Antibody detects endogenous levels of CD160 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CD160; BY55; CD160 antigen; Natural killer cell receptor BY55; CD antigen CD160
Observed Band	17kD
Cell Pathway	[CD160 antigen]: Cell membrane ; Lipid-anchor, GPI-anchor .; [CD160 antigen, soluble form]: Secreted. Released from the cell membrane by GPI cleavage. .
Tissue Specificity	Expression is restricted to functional NK and cytotoxic T lymphocytes. Expressed in viral-specific effector memory and terminally differentiated effector memory CD8+ T cells. Expressed in memory and activated CD4+ T cell subsets (at protein level) (PubMed:9743336, PubMed:18193050, PubMed:11978774, PubMed:25255144). Expressed at high levels in intraepithelial lymphocytes (at protein level) (PubMed:9743336). Expressed in both alpha-beta and gamma-delta CD8+ T cell subsets (at protein level) (PubMed:9743336, PubMed:18193050, PubMed:11978774). Expressed in umbilical vein endothelial cells (at protein level) (PubMed:16809620). Expressed in monocytes and at lower levels in B cells (PubMed:23761635). Isoform 3: Expressed exclusively in activated NK cells (at protein level) (PubMed:19109136).
Function	function:Receptor showing broad specificity for both classical and non-classical MHC class I molecules.,similarity:Contains 1 Ig-like V-type (immunoglobulin-like) domain.,subunit:Homomultimer; disulfide-linked.,tissue specificity:Expressed in spleen, peripheral blood, and small intestine. Expression is restricted to functional NK and T cytotoxic lymphocytes.,

Background	CD160 is an 27 kDa glycoprotein which was initially identified with the monoclonal antibody BY55. Its expression is tightly associated with peripheral blood NK cells and CD8 T lymphocytes with cytolytic effector activity. The cDNA sequence of CD160 predicts a cysteine-rich, glycosylphosphatidylinositol-anchored protein of 181 amino acids with a single Ig-like domain weakly homologous to KIR2DL4 molecule. CD160 is expressed at the cell surface as a tightly disulfide-linked multimer. RNA blot analysis revealed CD160 mRNAs of 1.5 and 1.6 kb whose expression was highly restricted to circulating NK and T cells, spleen and small intestine. Within NK cells CD160 is expressed by CD56dimCD16+ cells whereas among circulating T cells its expression is mainly restricted to TCRgd bearing cells and to TCRab+CD8brightCD95+CD56+CD28-CD27-cells. In tissues, CD160 is expressed on all intestinal intraepithelial lymphocytes. C
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using CD160 Polyclonal Antibody



Western blot analysis of lysates from Jurkat and COLO205 cells, using CD160 Antibody. The lane on the right is blocked with the synthesized peptide.