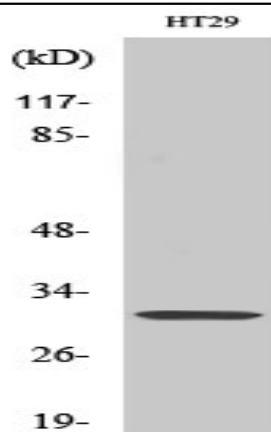


IL-5 Polyclonal Antibody

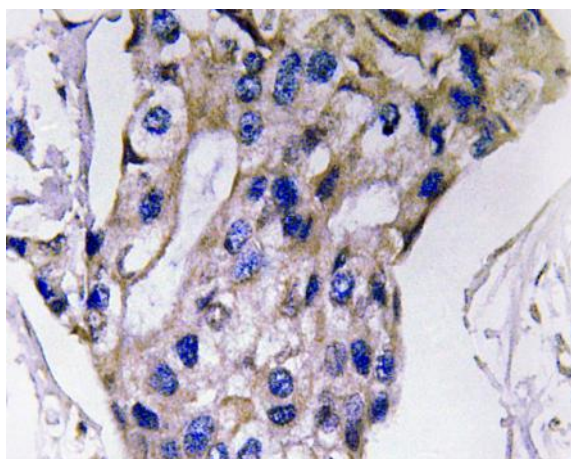
Catalog No :	YT2339
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	IL-5
Fields :	>>Cytokine-cytokine receptor interaction;>>JAK-STAT signaling pathway;>>Hematopoietic cell lineage;>>IL-17 signaling pathway;>>Th1 and Th2 cell differentiation;>>T cell receptor signaling pathway;>>Fc epsilon RI signaling pathway;>>Intestinal immune network for IgA production;>>Pathways in cancer;>>Asthma;>>Autoimmune thyroid disease;>>Inflammatory bowel disease;>>Allograft rejection
Gene Name :	IL5
Protein Name :	Interleukin-5
Human Gene Id :	3567
Human Swiss Prot No :	P05113
Mouse Gene Id :	16191
Mouse Swiss Prot No :	P04401
Rat Swiss Prot No :	Q08125
Immunogen :	The antiserum was produced against synthesized peptide derived from human IL-5. AA range:43-92
Specificity :	IL-5 Polyclonal Antibody detects endogenous levels of IL-5 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG

Dilution :	<u>WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:5000.. IF 1:50-200</u>
Purification :	<u>The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.</u>
Concentration :	<u>1 mg/ml</u>
Storage Stability :	<u>-15 °C to -25 °C/1 year(Do not lower than -25 °C)</u>
Observed Band :	<u>30kD</u>
Cell Pathway :	<u>Cytokine-cytokine receptor interaction;Jak_STAT;Hematopoietic cell lineage;T_Cell_Receptor;Fc epsilon RI;Intestinal immune network for IgA production;Asthma;Autoimmune thyroid disease;Allograft reject</u>
Background :	<u>This gene encodes a cytokine that acts as a growth and differentiation factor for both B cells and eosinophils. The encoded cytokine plays a major role in the regulation of eosinophil formation, maturation, recruitment and survival. The increased production of this cytokine may be related to pathogenesis of eosinophil-dependent inflammatory diseases. This cytokine functions by binding to its receptor, which is a heterodimer, whose beta subunit is shared with the receptors for interleukine 3 (IL3) and colony stimulating factor 2 (CSF2/GM-CSF). This gene is located on chromosome 5 within a cytokine gene cluster which includes interleukin 4 (IL4), interleukin 13 (IL13), and CSF2 . This gene, IL4, and IL13 may be regulated coordinately by long-range regulatory elements spread over 120 kilobases on chromosome 5q31. [provided by RefSeq, Jul 2013],</u>
Function :	<u>function:Factor that induces terminal differentiation of late-developing B-cells to immunoglobulin secreting cells.,online information:Interleukin-5 entry,similarity:Belongs to the IL-5 family.,subunit:Homodimer; disulfide-linked.,</u>
Subcellular Location :	<u>Secreted.</u>

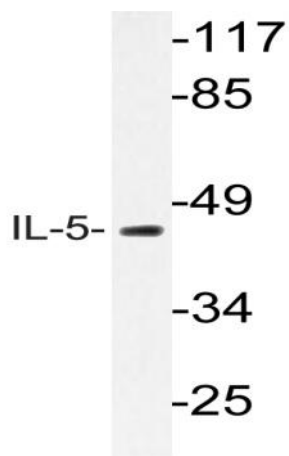
Products Images



Western Blot analysis of various cells using IL-5 Polyclonal Antibody



Immunohistochemistry analysis of IL-5 antibody in paraffin-embedded human breast carcinoma tissue.



Western blot analysis of lysate from HT-29 cells, using IL-5 antibody.