

For Research Use Only

IL-15RA Polyclonal antibody

Catalog Number: 16744-1-AP **7 Publications**



Basic Information

Catalog Number: 16744-1-AP	GenBank Accession Number: BC107777	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 400 µg/ml by Nanodrop and 233 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 3601	Recommended Dilutions: WB 1:500-1:1000 IHC 1:50-1:500
Source: Rabbit	Full Name: interleukin 15 receptor, alpha	
Isotype: IgG	Calculated MW: 231 aa, 24 kDa	
Immunogen Catalog Number: AG10151	Observed MW: 55-65 kDa	

Applications

Tested Applications:

IHC, WB, ELISA

Cited Applications:

IF, IHC, WB

Species Specificity:

human

Cited Species:

hamster, human

Positive Controls:

WB: HeLa cells,

IHC: human liver cancer tissue, human spleen tissue, human kidney tissue, human heart tissue, human testis tissue, human skin tissue, human brain tissue

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

Interleukin-15 (IL-15) is a pleiotropic cytokine that plays an important role in both innate and adaptive immunity. IL-15 is mainly produced by activated monocytes, macrophages and dendritic cells, and is structurally similar to IL-2 (PMID: 8178155; 12401478). These two cytokines share the same IL-2/15R β and common γ -chain receptor subunits. In addition, IL-2 and IL-15 have their own private α -chain receptor subunit, IL-2R α and IL-15R α , respectively (PMID: 7641685). The IL-15R α chain is expressed by many cell types including monocytes, DCs, NK, T cells and fibroblasts. Several isoforms of IL-15R α exist and are generated either by alternative splicing or by proteolytic cleavage (PMID: 10480910; 15265897). The calculated molecular weight of full-length IL-15R α is 28 kDa, IL-15R α can be glycosylated, and larger apparent molecular weights of 55-65 kDa have been reported by some researches (PMID: 10480910; 15976182; 15671076; 17912462).

Notable Publications

Author	Pubmed ID	Journal	Application
Debashis Sahoo	32995790	bioRxiv	IHC
Pradipta Ghosh	35577777	Nat Commun	IHC
Xuguang Chen	31078730	Free Radic Biol Med	WB, IF

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

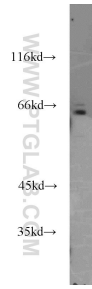
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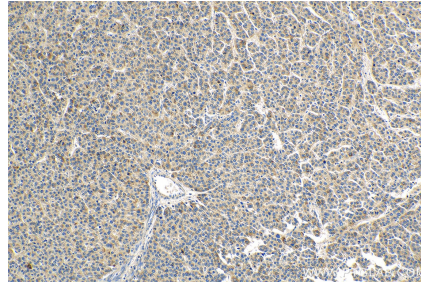
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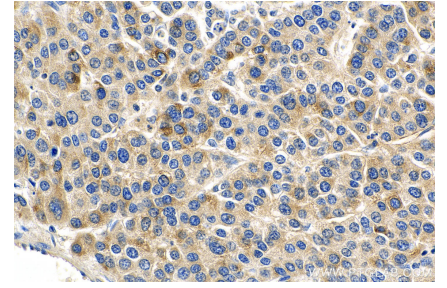
Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 16744-1-AP (IL15RA antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 16744-1-AP (IL-15RA antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 16744-1-AP (IL-15RA antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).