

## IL13 antibody

Catalog No: #38354

Package Size: #38354-1 50ul #38354-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

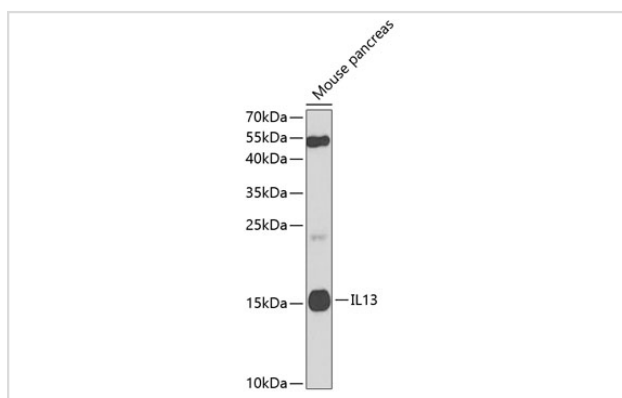
## Description

Product Name	IL13 antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB,IHC
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of total IL13 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human IL13.
Target Name	IL13
Other Names	ALRH; BHR1; IL-13; MGC116786; MGC116788; MGC116789; P600;
Accession No.	Swiss-Prot#: P35225NCBI Gene ID: 3596
Uniprot	P35225
GeneID	3596;
SDS-PAGE MW	16kd
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

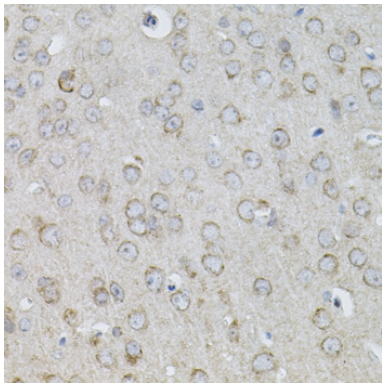
## Application Details

WB □ 1:500 - 1:2000 IHC □ 1:50 - 1:100

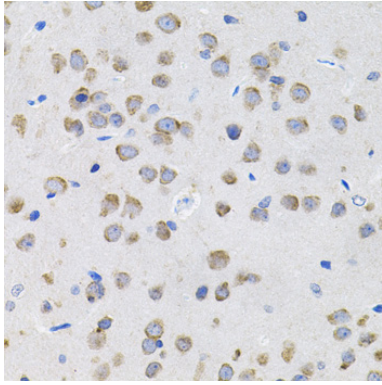
## Images



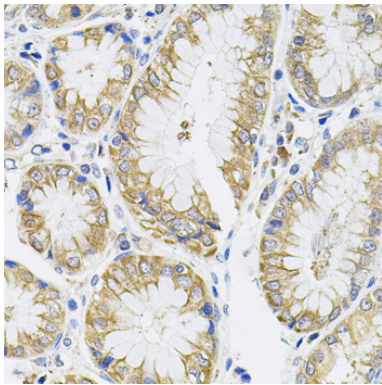
Western blot analysis of extracts of mouse pancreas, using IL13 at 1:1000 dilution.



Immunohistochemistry of paraffin-embedded mouse brain using IL13 (40x lens).



Immunohistochemistry of paraffin-embedded rat brain using IL13 (40x lens).



Immunohistochemistry of paraffin-embedded human stomach using IL13 (40x lens).

## Background

IL-13 is produced by T cells and is important in the TH2 response. IL-13 targets include B cells, eosinophils, fibroblasts, mast cells and macrophages (1-3). IL-13 binds specifically to IL-13R $\alpha$ 1 that complexes with IL-4R $\alpha$  to form the Type II IL-4R. Jak1 and Tyk2 are activated and signal through Stat3 and Stat6 (6). IL-13R $\alpha$ 2 is a different gene product, lacks the intracellular domain, does not complex with IL-4R $\alpha$  and does not signal (1,6,7). The extracellular domain of IL-13R $\alpha$ 2 is often elevated in diseased states. IL-13 plays key roles in airway hyperresponsiveness (AHR) of allergic asthma (1,4,5) and modulates resistance to parasitic organisms (1).

Note: This product is for in vitro research use only