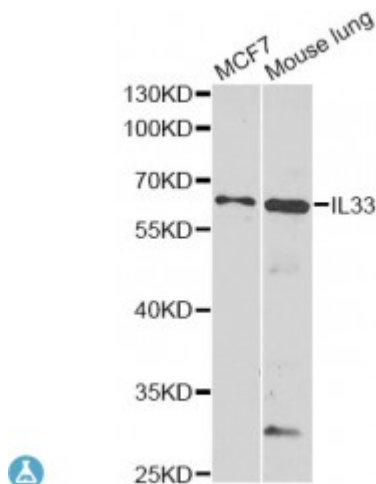


Anti-IL33 Antibody



Description

The protein encoded by this gene is a cytokine that binds to the IL1RL1/ST2 receptor. The encoded protein is involved in the maturation of Th2 cells and the activation of mast cells, basophils, eosinophils and natural killer cells. Several transcript variants encoding different isoforms have been found for this gene.

Model	STJ114478
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	IHC, WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-270 of human IL33 (NP_254274.1).
Gene ID	90865
Gene Symbol	IL33
Dilution range	WB 1:500 - 1:2000 IHC 1:50 - 1:200
Tissue Specificity	Expressed at high level in high endothelial venules found in tonsils, Peyer patches and mesenteric lymph nodes, Almost undetectable in placenta
Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	Interleukin-33 IL-33 Interleukin-1 family member 11 IL-1F11 Nuclear factor from high endothelial venules NF-HEV
Molecular Weight	30.759 kDa

Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:16028OMIM:608678Reactome:R-HSA-1257604
Alternative Names	Interleukin-33 IL-33 Interleukin-1 family member 11 IL-1F11 Nuclear factor from high endothelial venules NF-HEV
Function	Cytokine that binds to and signals through the IL1RL1/ST2 receptor which in turn activates NF-kappa-B and MAPK signaling pathways in target cells ,
Cellular Localization	Nucleus,
Post-translational Modifications	The full-length protein can be released from cells and is able to signal via the IL1RL1/ST2 receptor, However, proteolytic processing by CSTG/cathepsin G and ELANE/neutrophil elastase produces C-terminal peptides that are more active than the unprocessed full length protein, May also be proteolytically processed by calpains suggesting that IL33 is probably not a direct substrate for that caspase,