

Product datasheet for **AP07760PU-N**

IL31 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	Immunohistochemistry on Paraffin Sections: 5 µg/ml. Western Blot Immunofluorescence.
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic Peptide corresponding to 18 amino acid peptide from near the center of human IL-31. The immunogen is located within aa 60-110 of IL-31
Specificity:	This antibody reacts with Interleukin 31 (IL31).
Formulation:	PBS containing 0.02% Sodium Azide as preservative. State: Purified State: Liquid purified IgG fraction.
Concentration:	lot specific
Purification:	Peptide Column Affinity Chromatography.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Dilute only prior to immediate use. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	interleukin 31
Database Link:	Entrez Gene 386653 Human Q6EBC2



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Background:

Interleukin-31 (IL-31) is a recently discovered T-cell cytokine closely related to IL-6 type cytokines and is preferentially produced by T helper type 2 cells. IL-31 activity is mediated through the ligand-induced oligomerization of a dimeric receptor complex containing IL-31 receptor A and oncostatin M receptor. In response to IL-31 binding, these proteins activate the JAK/STAT and the AKT signaling pathways. RNA levels of IL-31 receptor A and oncostatin M receptor are induced in activated monocytes but are expressed constitutively in epithelial cells. IL-31, when overexpressed in transgenic mice, results in the development of pruritis, alopecia and skin lesions, and in humans may result in atopic dermatitis, suggesting that IL-31 may represent a novel target for antipruritic drug development.

Synonyms:

IL-31

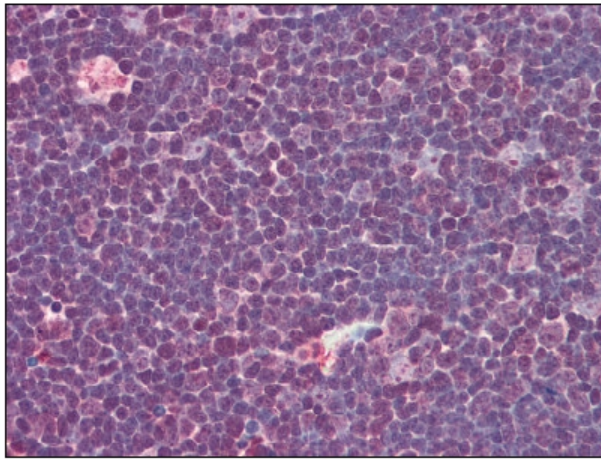
Product images:

Figure 1. Formalin-Fixed Paraffin-Embedded (FFPE) on Thymus.