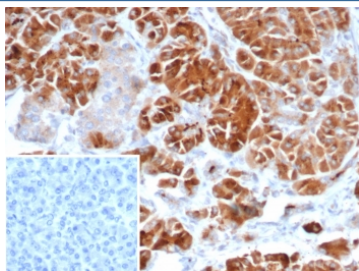


## IL22RA2 Antibody / Interleukin-22 receptor subunit alpha 2 [clone IL22RA2/7291] (V5184)

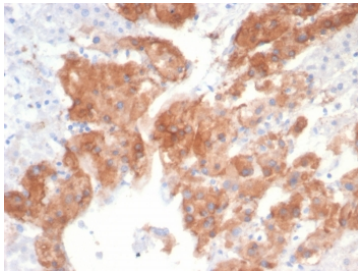
Catalog No.	Formulation	Size
V5184-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5184-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5184SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

### Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2, kappa
Clone Name	IL22RA2/7291
Purity	Protein A/G affinity
UniProt	Q969J5
Localization	Secreted
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This IL22RA2 antibody is available for research use only.



IHC staining of FFPE human adrenal gland tissue with IL22RA2 antibody (clone IL22RA2/7291). Inset: PBS used in place of primary Ab (secondary Ab negative control).  
 HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human adrenal gland tissue with IL22RA2 antibody (clone IL22RA2/7291). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

## Description

IL-22RA $\alpha$ 2 (Interleukin-22 receptor Alpha2 chain), also known as IL-22 binding protein (IL-22BP), cytokine receptor family class II member 10 (CRF2-10) or CRF2- soluble 1 (CRF2-S1), is a soluble, nonsignaling single chain receptor for IL-22. It is highly expressed in intestine and lymph nodes and is also found in spleen, kidney and liver. IL-22RA $\alpha$ 2 has a cytokine-binding domain that contains two FnIII domains. Its affinity for IL-22 is 4- to 10-fold higher than that of the membrane-bound IL-22 receptor, however it has a dissociation rate up to 20 times lower. By binding to IL-22, IL-22RA $\alpha$ 2 prevents the binding to the IL-22 membrane-bound receptor and therefore inhibits IL-22 signaling. This suggests that IL-22RA $\alpha$ 2 may be important in regulating inflammatory responses. In addition, IL-22RA $\alpha$ 2 can be induced by lipopolysaccharides (LPSs).

## Application Notes

Optimal dilution of the IL22RA2 antibody should be determined by the researcher.

## Immunogen

A recombinant partial protein sequence (within amino acids 1-200) from the human protein was used as the immunogen for the IL22RA2 antibody.

## Storage

Aliquot the IL22RA2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.