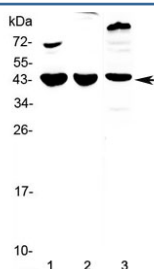


IL18bp Antibody / IL18 binding protein (RQ4148)

| Catalog No. | Formulation | Size |
|-------------|---|--------|
| RQ4148 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

Bulk quote request

| | |
|---------------------------|---|
| Availability | 1-3 business days |
| Species Reactivity | Mouse, Rat |
| Format | Antigen affinity purified |
| Clonality | Polyclonal (rabbit origin) |
| Isotype | Rabbit IgG |
| Purity | Antigen affinity purified |
| Buffer | Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide |
| UniProt | Q9Z0M9 |
| Applications | Western Blot : 0.5-1ug/ml ELISA (Capture) : 0.1-0.5ug/ml |
| Limitations | This IL18bp antibody is available for research use only. |



Western blot testing of 1) mouse heart, 2) mouse brain and 3) rat heart lysate with IL18bp antibody at 0.5ug/ml. Expected molecular weight: ~21 kDa unmodified and up to ~45 kDa glycosylated.

Description

Interleukin-18-binding protein is a protein that in humans is encoded by the IL18BP gene. The protein encoded by this gene functions as an inhibitor of the proinflammatory cytokine, IL18. It binds IL18, prevents the binding of IL18 to its receptor, and thus inhibits IL18-induced IFN-gamma production, resulting in reduced T-helper type 1 immune responses. This protein is constitutively expressed and secreted in mononuclear cells. Elevated level of this protein is detected in the intestinal tissues of patients with Crohn's disease. Alternatively spliced transcript variants encoding different isoforms have been described for this gene.

Application Notes

Optimal dilution of the Il18bp antibody should be determined by the researcher.

Immunogen

A recombinant mouse partial protein corresponding to amino acids T29-A193 was used as the immunogen for the Il18bp antibody.

Storage

After reconstitution, the Il18bp antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.