

## IRF8 Antibody

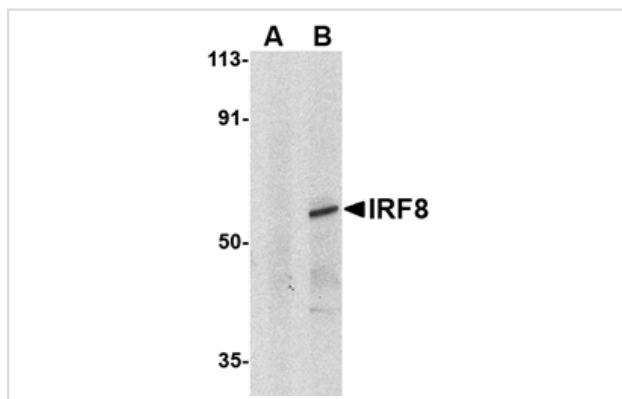
Catalog No: #24266

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## Description

|                       |   |
|-----------------------|---|
| Product Name          | IRF8 Antibody   |
| Host Species          | Rabbit  |
| Clonality             | Polyclonal  |
| Purification          | Affinity chromatography purified via peptide column   |
| Applications          | ELISA WB  |
| Species Reactivity    | Hu Ms Rt  |
| Immunogen Type        | Peptide   |
| Immunogen Description | Raised against a peptide corresponding to 16 amino acids near the carboxy terminus of human IRF8.   |
| Target Name           | IRF8  |
| Accession No.         | Swiss-Prot:Q02556Gene ID:3394   |
| Uniprot               | Q02556  |
| GeneID                | 3394;   |
| Concentration         | 1mg/ml  |
| Formulation           | Supplied in PBS containing 0.02% sodium azide.  |
| Storage               | Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures. |

## Images



Western blot analysis of IRF8 in human thymus tissue lysate with IRF8 antibody at 1ug/mL in (A) the presence and (B) absence of blocking peptide.

## Background

Interferons (IFN)s are involved in a multitude of immune interactions during viral infections and play a major role in both the induction and regulation of innate and adaptive antiviral mechanisms. During infection, host-virus interactions signal downstream molecules such as transcription factors such as IFN regulatory factor-3 (IRF3) which can act to stimulate transcription of IFN-alpha/beta genes. Unlike IRF3, IRF8 appears to act as a negative regulator of IFN-induced genes in most cases, but IRF8 mediates activation of NF-κB by the toll-like receptor 9 (TLR9) after stimulation by unmethylated CpG DNA in dendritic cells. Finally, it has been shown that IRF8 decreases bcl-2 expression and thus may play a role in chronic myelogenous leukemia.

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Note: This product is for in vitro research use only