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## 11-3029: Polyclonal Antibody to IMPDHII

Clonality: Polyclonal

Application: WB
Reactivity: Human
Gene: IMPDH2
Gene ID: 3615
Uniprot ID: P12268
Format: Purified

Alternative Name : IMPDH2,IMPD2 Isotype : Rabbit IgG

Immunogen Information: A partial length recombinant IMPDHII protein (amino acids 48-351) was used as the immunogen

for this antibody.

## **Description**

IMPDH2 (Human type II inosine monophosphate dehydrogenase) is a key enzyme in the purine nucleotide biosynthetic pathway and constitutes a pivotal biological target for immunosuppressant and antiviral drugs. The enzymatic reaction involves the NAD-dependent oxidation of inosine-5'-monophosphate into xanthine-5'-monophosphate, which is then converted into guanosine-5'-monophosphate. It is increased more than 10-fold in activated peripheral blood T lymphocytes and is required for T cell activation. Type II isoform of the enzyme is selectively upregulated in neoplastic fast replicating lymphocytes and CML cancer cells. Thus, the IMPDH2 is an excellent target for antileukemic agent.

## **Product Info**

**Amount :** 25 μg / 100 μg

Purification: Protein A Chromatography

Content: 25 μg in 50 μl/100 μg in 200 μl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium

azide is highly toxic.

Storage condition:

Storage condition:

Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid

repeated freeze and thaw cycles.

## **Application Note**

Western blot analysis: 2-4 µg/ml

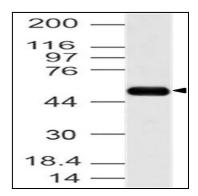


Fig-1: Western blot analysis of IMPDHII. Anti- IMPDHII antibody (11-3029) was used at 2  $\mu$ g/ml on K562 lysate.