

## 11-3029: Polyclonal Antibody to IMPDHII

<b>Clonality :</b>	Polyclonal
<b>Application :</b>	WB
<b>Reactivity :</b>	Human
<b>Gene :</b>	IMPDH2
<b>Gene ID :</b>	3615
<b>Uniprot ID :</b>	P12268
<b>Format :</b>	Purified
<b>Alternative Name :</b>	IMPDH2,IMPD2
<b>Isotype :</b>	Rabbit IgG
<b>Immunogen Information :</b>	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

<b>Amount :</b>	25 µg / 100 µg
<b>Purification :</b>	Protein A Chromatography
<b>Content :</b>	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.
<b>Storage condition :</b>	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 Åµg/ml

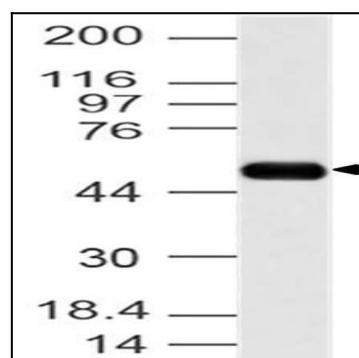


Fig-1: Western blot analysis of IMPDHII. Anti- IMPDHII antibody (11-3029) was used at 2 µg/ml on K562 lysate.