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11-3028: 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 86-291) was used as the

immunogen for this antibody.

Description

Human type II inosine monophosphate dehydrogenase (IMPDHII) is a key enzyme in the purine nucleotide biosynthetic pathway and constitutes a pivotal biological target for immunosuppressant and antiviral drugs. It is linked to cell growth, differentiation, and malignant transformation. IMPDHII also plays an important role in the negative regulation of TLR2 signaling by modulating PI3K activity. Indeed, IMPDHII increases the phosphatase activity of SHP1, which participates in the inactivation of PI3K. Enhanced expression of IMPDHII promotes the tumor metastasis and the advanced tumor progression in patients with prostate cancer.

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 : 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: 1-2 µg/ml

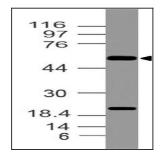


Fig-1: Western blot analysis of IMPDHII. Anti-IMPDHII antibody (11-3028) was used at $1 \mu g/ml$ on K562 lysate.