

Anti-IDO1 Polyclonal Antibody

Product Details

Ig Type: IgG
Reactivity: Human,Mouse,Rat
Molecular Weight: Theoretical: 45 kDa. Actual: 48 kDa.
Purification: Protein A purified

Applications

1. Sample:

Lane 1: Mouse Epididymis tissue lysates

Lane 2: Human Hela cell lysates

Lane 3: Human Molt-4 cell lysates

Primary: Anti-IDO (TMAB-00906) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 45 kDa

Observed band size: 48 kDa

2. Sample:

Lane 1: Mouse Placenta tissue lysates

Lane 2: Mouse Spleen tissue lysates

Lane 3: Mouse Lung tissue lysates

Lane 4: Rat Lymphnode tissue lysates

Lane 5: Human Huvec cell lysates

Lane 6: Human Hela cell lysates

Lane 7: Human A431 cell lysates

Primary: Anti-IDO (TMAB-00906) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 45 kDa

Observed band size: 47 kDa

3. Sample:

Lane 1: Mouse Epididymis tissue lysates

Lane 2: Human Hela cell lysates

Lane 3: Human Molt-4 cell lysates

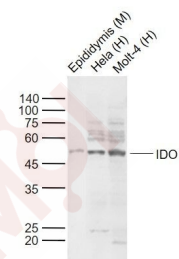
Primary: Anti-IDO (TMAB-00906) at 1/1000 dilution

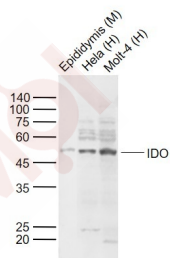
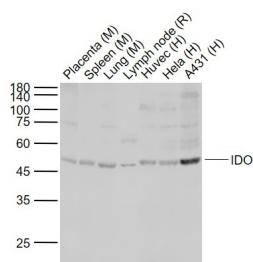
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 45 kDa

Observed band size: 48 kDa

Verified Activity:





Application: WB
Recommended WB: 1:500-2000

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping: Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human IDO
Antigen Species: Human
Gene ID: 3620
Uniprot ID: P14902
Synonyms: Indoleamine 2,3-dioxygenase; INDO; IDO-1; indoleamine 2,3-dioxygenase 1; IDO
Biology Area: Lipoprotein metabolism, Inflammatory mediators, Amino acid metabolism, Amino Acids

Research Background

This gene encodes indoleamine 2,3-dioxygenase (IDO) - a heme enzyme that catalyzes the first and rate-limiting step in tryptophan catabolism to N-formyl-kynurenine. This enzyme acts on multiple tryptophan substrates including D-tryptophan, L-tryptophan, 5-hydroxy-tryptophan, tryptamine, and serotonin. This enzyme is thought to play a role in a variety of pathophysiological processes such as antimicrobial and antitumor defense, neuropathology, immunoregulation, and antioxidant activity. Through its expression in dendritic cells, monocytes, and macrophages this enzyme modulates T-cell behavior by its peri-cellular catabolization of the essential amino acid tryptophan. [provided by RefSeq, Feb 2011]

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Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481