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10-3024: Monoclonal Antibody to TLR10 (Clone: ABM3C85)

Clonality :	Monoclonal
Clone Name :	ABM3C85
Application :	WB
Reactivity :	Human
Gene :	TLR10
Gene ID :	81793
Uniprot ID :	Q9BXR5
Format :	Purified
Alternative Name :	TLR10,UNQ315/PRO358
Isotype :	Mouse IgG2a Kappa
Immunogen Information :	A partial length recombinant TLR10 protein (amino acids 100-369) was used as the immunogen for this antibody.

Description

TLR10 (Toll-Like Receptor10) is an orphan member of the TLR family and is the only pattern-recognition receptor without known ligand specificity and biological function. This protein plays a role in innate immune responses following viral infection. Influenza virus infection increased TLR10 expression and TLR10 contributed to innate immune sensing of viral infection leading to cytokine induction, including proinflammatory cytokines and interferons. Blocking TLR10 by antagonistic antibodies enhanced proinflammatory cytokine production, including IL-1Beta, specifically after exposure to TLR2 ligands. TLR10 is in a locus that also contains TLR1 and TLR6, two receptors known to function as coreceptors for TLR2. TLR10 is predominantly expressed in tissues rich in immune cells, such as spleen, lymph node, thymus, tonsil, and lung. Expression of TLR10 can be induced in B cells, dendritic cells, eosinophils, and neutrophils, as well as on nonimmune cells, such as trophoblasts.

Product Info

Amount :	25 µg / 100 µg
Purification :	Protein G 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: 2-4 µg/ml

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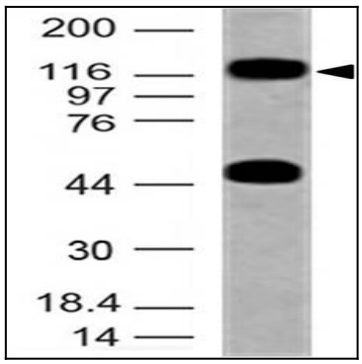

Fig-1: Western blot analysis of TLR10. Anti- TLR10 antibody (Clone: ABM3C85) was used at 2 µg/ml on human Ovary lysate.