

CD47 / IAP (Integrin Associated Protein) Antibody - With BSA and Azide
Mouse Monoclonal Antibody [Clone IAP/964]
Catalog # AH12752

Specification

CD47 / IAP (Integrin Associated Protein) Antibody - With BSA and Azide - Product Information

Application	,2,3,4,
Primary Accession	Q08722
Other Accession	961 , 446414
Reactivity	Human, Mouse
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse / IgG1, kappa
Calculated MW	~50kDa KDa

CD47 / IAP (Integrin Associated Protein) Antibody - With BSA and Azide - Additional Information

Gene ID 961

Other Names

Leukocyte surface antigen CD47, Antigenic surface determinant protein OA3, Integrin-associated protein, IAP, Protein MER6, CD47, CD47, MER6

Storage

Store at 2 to 8°C. Antibody is stable for 24 months.

Precautions

CD47 / IAP (Integrin Associated Protein) Antibody - With BSA and Azide is for research use only and not for use in diagnostic or therapeutic procedures.

CD47 / IAP (Integrin Associated Protein) Antibody - With BSA and Azide - Protein Information

Name CD47

Synonyms MER6

Function

Has a role in both cell adhesion by acting as an adhesion receptor for THBS1 on

CD47 / IAP (Integrin Associated Protein) Antibody - With BSA and Azide - Background

This antibody reacts with Ig domain of CD47 protein. CD47, originally named integrin-associated protein (IAP), is a 50kDa protein containing five membrane-spanning sequences and a short cytoplasmic tail. CD47 plays a role in both cell adhesion by acting as an adhesion receptor for THBS1 on platelets, and in the modulation of integrins. It is important in memory formation and synaptic plasticity in the hippocampus. CD47 may play a role in membrane transport and/or integrin dependent signal transduction.

CD47 / IAP (Integrin Associated Protein) Antibody - With BSA and Azide - References

Edris B et. al. Proc Natl Acad Sci USA 109:6656-61 (2012). | Willingham SB et. al. Proc Natl Acad Sci USA 109:6662-7 (2012)

platelets, and in the modulation of integrins. Plays an important role in memory formation and synaptic plasticity in the hippocampus (By similarity). Receptor for SIRPA, binding to which prevents maturation of immature dendritic cells and inhibits cytokine production by mature dendritic cells. Interaction with SIRPG mediates cell-cell adhesion, enhances superantigen-dependent T-cell-mediated proliferation and costimulates T-cell activation. May play a role in membrane transport and/or integrin dependent signal transduction. May prevent premature elimination of red blood cells. May be involved in membrane permeability changes induced following virus infection.

Cellular Location

Cell membrane; Multi-pass membrane protein

Tissue Location

Very broadly distributed on normal adult tissues, as well as ovarian tumors, being especially abundant in some epithelia and the brain

**CD47 / IAP (Integrin Associated Protein)
Antibody - With BSA and Azide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)