

CD14 Rabbit pAb

CD14 Rabbit pAb
Catalog # AP52111

Product Information

| | |
|--------------------------------|--|
| Application | WB, IHC-P, IHC-F, IF |
| Reactivity | Human |
| Host | Rabbit |
| Clonality | Polyclonal |
| Calculated MW | 35 KDa |
| Physical State | Liquid |
| Immunogen | KLH conjugated synthetic peptide derived from mouse CD14 |
| Epitope Specificity | 201-300/366 |
| Isotype | IgG |
| Purity | affinity purified by Protein A |
| Buffer | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. |
| SUBCELLULAR LOCATION | Cell membrane; Lipid-anchor, GPI-anchor. |
| SIMILARITY | Contains 11 LRR (leucine-rich) repeats. |
| SUBUNIT | Belongs to the lipopolysaccharide (LPS) receptor, a multi-protein complex containing at least CD14, MD-2 and TLR4. |
| Important Note | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. |
| Background Descriptions | The protein encoded by this gene is a surface antigen that is preferentially expressed on monocytes/macrophages. It cooperates with other proteins to mediate the innate immune response to bacterial lipopolysaccharide. Alternative splicing results in multiple transcript variants encoding the same protein. [provided by RefSeq, Mar 2010] |

Additional Information

| | |
|--------------------|---|
| Other Names | Monocyte differentiation antigen CD14; Myeloid cell-specific leucine-rich glycoprotein; CD14 |
| Dilution | WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 |
| Storage | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |

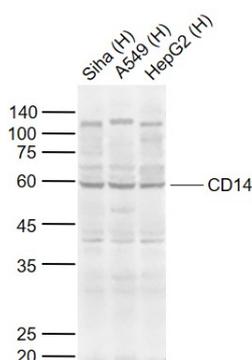
Background

The protein encoded by this gene is a surface antigen that is preferentially expressed on monocytes/macrophages. It cooperates with other proteins to mediate the innate immune response to bacterial lipopolysaccharide. Alternative splicing results in multiple transcript variants encoding the same protein. [provided by RefSeq, Mar 2010]

References

Miyazaki Y., et al. *Nucleic Acids Res.* 17:2132-2132(1989).
Setoguchi M., et al. *Biochim. Biophys. Acta* 1008:213-222(1989).
Ferrero E., et al. *J. Immunol.* 145:331-336(1990).
Kim J.I., et al. *J. Biol. Chem.* 280:11347-11351(2005).

Images



Sample:

Lane 1: Human Siha cell lysates

Lane 2: Human A549 cell lysates

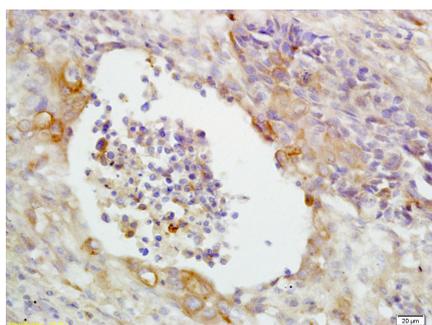
Lane 3: Human HepG2 cell lysates

Primary: Anti-CD14 (AP52111) at 1/1000 dilution

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

Predicted band size: 35/40 kD

Observed band size: 59 kD



Tissue/cell: human lung carcinoma; 4%

Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling

bathing for 15min; Block endogenous peroxidase by 3%

Hydrogen peroxide for 30min; Blocking buffer (normal

goat serum, C-0005) at 37°C for 20 min;

Incubation: Anti-CD14 Polyclonal Antibody,

Unconjugated (AP52111) 1:200, overnight at 4°C, followed

by conjugation to the secondary antibody (SP-0023) and

DAB (C-0010) staining

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.