

Datasheet: AHP1635

Description:	RABBIT ANTI HUMAN CD282 (N-TERMINAL)
Specificity:	CD282 (N-TERMINAL)
Other names:	TLR2
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Immunohistology - Paraffin (1)	■			2.0ug
Western Blotting	■			1.0ug/ml

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

(1) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Sodium citrate buffer pH 6.0 is recommended for this purpose.

Target Species	Human
Species Cross Reactivity	Reacts with: Mouse, Horse N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid
Antiserum Preparation	Antisera to Human CD282 (NT) were raised by repeated immunisation of Rabbits with highly purified antigen. Purified IgG prepared from whole serum by ion exchange chromatography
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.02% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 1.0mg/ml
Immunogen	A peptide corresponding to an 14 amino acid sequence from near the amino terminus of human CD282.

**External Database
Links**

UniProt:

[O60603](#) [Related reagents](#)

Entrez Gene:

[7097](#) TLR2 [Related reagents](#)

Synonyms

TIL4

Specificity

Rabbit anti Human CD282 antibody recognises CD282, also known as TLR-2, a ~90 kDa type 1 transmembrane protein that is primarily expressed by peripheral blood monocytes. CD282 is also expressed in the spleen, bone marrow and lymph nodes. CD282 is reported to respond to a diverse range of bacterial cell wall components, mediating the innate immune response in co-operation with MD-2.

**Histology Positive
Control Tissue**

Human spleen

Western Blotting

AHP1635 detects a band of approximately 100kDa in A-20 cell lysate

References

1. Siemieniuch MJ *et al.* (2016) Type of Inflammation Differentially Affects Expression of Interleukin 1 β and 6, Tumor Necrosis Factor- α and Toll-Like Receptors in Subclinical Endometritis in Mares. [PLoS One. 11 \(5\): e0154934.](#)

Further Reading

1. Vogel, S.N. *et al.* (2003) TLRs: differential adapter utilization by toll-like receptors mediates TLR-specific patterns of gene expression. [Mol Interv. 3 \(8\): 466-77.](#)
2. Takeda, K. *et al.* (2003) Toll-like receptors. [Annu Rev Immunol. 21: 335-76.](#)
3. Janeway, C.A. Jr. & Medzhitov, R. (2002) Innate immune recognition. [Annu Rev Immunol. 20: 197-216.](#)
4. O'Neill, L.A.J. *et al* (2003) The Toll-IL-1 receptor adaptor family grows to five members. [Trends in Imm. 24:286-9.](#)

Storage

Store at +4°C or at -20°C if preferred.
Storage in frost-free freezers is not recommended.
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life

18 months from date of despatch.

**Health And Safety
Information**

Material Safety Datasheet documentation #10040 available at:
10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)
Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Sheep Anti Rabbit IgG (2AB02...) [Biotin](#)
Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®549](#), [DyLight®649](#),
[DyLight®680](#), [DyLight®800](#)

Recommended Useful Reagents

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)
[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025C\)](#)
[TidyBlot™ WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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