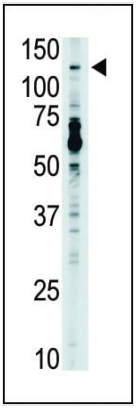
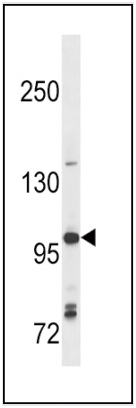
TLR7 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

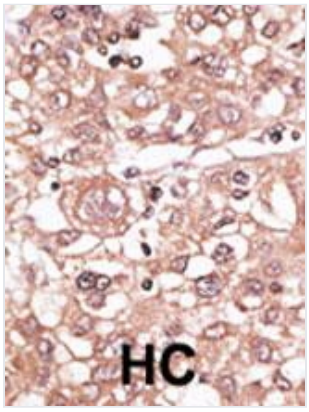
Product Name	TLR7, Polyclonal Antibody
Full Product Name	TLR7, NT (Toll-like Receptor 7, UNQ248/PRO285) (Azide free) (HRP)
Product Gene Name	anti-TLR7 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Horseradish Peroxidase (HRP).
Purity/Purification	Purified by Protein G Affinity Chromatography.
Specificity	Recognizes human TLR7. Species Crossreactivity: mouse.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	1049
Chromosome Location	Chromosome: X; NC_000023.10 (12885202..12908480). Location: Xp22.3
OMIM	300365
3D Structure	ModBase 3D Structure for Q9NYK1
Immunogen	Synthetic peptide selected from the N-term region of human TLR7 (KLH).
Conjugate	HRP
Note	Preservative Free
Product Categories/Family for anti-TLR7 antibody	Antibodies; Toll Like Receptors (TLR)
Applications Tested/Suitable for anti-TLR7 antibody	Immunohistochemistry (IHC), ELISA (EIA), Western Blot (WB)
Application Notes for anti-TLR7 antibody	IHC: 1:50-1:100 ELISA: 1:1,000 WB: 1:100-1:500 Applications are based on unconjugated antibody.
Related Product Information for anti-TLR7 antibody	MBS6503008 is an antibody targeting TLR7. Also known as TLR7, NT (Toll-like Receptor 7, UNQ248/PRO285) (Azide free) (HRP). Reactive in Human, Mouse. Host: Rabbit.
Product References and Citations for anti-TLR7 antibody	1. Clark, H.F., et al., Genome Res. 13(10):2265-2270 (2003). 2. Ito, T., et al., J. Exp. Med. 195(11):1507-1512 (2002). 3. Du, X., et al., Eur. Cytokine Netw. 11(3):362-371 (2000). 4. Chuang, T.H., et al., Eur. Cytokine Netw. 11(3):372-378 (2000). 5. Rock, F.L., et al., Proc. Natl. Acad. Sci. USA 95(2):588-593 (1998).
Other Notes	Small volumes of anti-TLR7 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-TLR7 antibody
The anti-TLR7 Pab is used in Western blot to detect TLR7 in mouse liver tissue lysate.



Western Blot (WB) of anti-TLR7 antibody
TLR7 Antibody (C112) western blot analysis in Ramos cell line lysates (35ug/lane).This demonstrates the TLR7 antibody detected the TLR7 protein (arrow).



Immunohistochemistry (IHC) of anti-TLR7 antibody
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TLR7. It may not necessarily be applicable to this product.

NCBI GI #	7706093
NCBI GeneID	51284
NCBI Accession #	NP_057646.1
UniProt Primary Accession #	Q9NYK1
UniProt Secondary Accession #	Q9NR98; D1CS69
UniProt Related Accession #	Q9NYK1
GenBank Nucleotide #	NM_016562.3
NCBI Official Full Name	toll-like receptor 7
NCBI Official Synonym Full Names	toll-like receptor 7
NCBI Official Symbol	TLR7
NCBI Official Synonym Symbols	TLR7-like
UniProt Protein Name	Toll-like receptor 7
Protein Family	Toll-like receptor

UniProt Gene Name	TLR7
UniProt Entry Name	TLR7_HUMAN
NCBI Protein Information	toll-like receptor 7; toll-like receptor 7-like
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