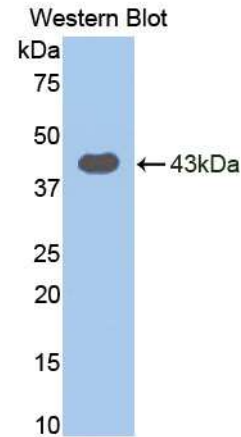**A90753Hu01**
Polyclonal Antibody to Toll Like Receptor 4 (TLR4)
Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

5th Edition (Revised in January, 2013)

[PRODUCT INFORMATION]

Immunogen: TLR4

Clonality: Polyclonal

Host: Rabbit

Species Reactivity: Human

Ig type: Rabbit IgG

Purification: Antibodies are purified by target protein affinity chromatography.

Applications: WB, ICC, IHC-P, IHC-F

Form: Liquid

Size: 100μg

Western Blot

Sample: Recombinant human TLR4

[IMMUNOGEN INFORMATION]

Immunogen: Recombinant human TLR4 (Phe326~Ile634) expressed in *E.coli*.

Molecular Weight: 41.0kDa

USCN accession No.: P90753Hu01

Sequence: The target protein is fused with two N-terminal Tags, His-tag and S-tag and its sequence is listed below.

MHHHHHHSSG LVPRGSGMKE TAAAKFERQH MDSPDLGTDD DDKAMADIGS EF- FSYNF
GWQHLELVNC KFGQFPTLKL KSLKRLTFTS NKGGNAFSEV DLPSLEFLDL SRNGLSFKGC
CSQSDFGTTS LKYLDLSFNG VITMSSNFLG LEQLEHLDFQ HSNLKQMSEF SVFLSLRNLI
YLDISHTHTR VAFNGIFNGL SSLEVLKMAG NSFQENFLPD IFTELRNLTF LDLSQCQLEQ
LSPTAFNSLS SLQVLNMSHN NFFSLDTFPY KCLNSLQVLD YSLNHIMTSK KQELQHFPSS

LAFLNLTQND FACTCEHQSF LQWIKDQRQL LVEVERMECA TPSDKQGMPV LSLNITCQMN KTII

[ANTIBODY SPEFICITY]

Anti TLR4 is a rabbit polyclonal antibody raised against human TLR4. This antibody has been selected for its ability to recognize human TLR4 in immunohistochemical staining and western blotting, non cross-reactive with other members of the family.

[APPLICATIONS]

Western blotting: 1:100-400

Immunocytochemistry in formalin fixed cells: 1:100-500

Immunohistochemistry in formalin fixed frozen section: 1:100-500

Immunohistochemistry in paraffin section: 1:50-200

Optimal working dilutions must be determined by end user.

[CONTENTS]

Form & Buffer: Supplied as solution form in PBS, pH 7.4, containing 0.02%Na_3N, 50% glycerol.

[QUALITY CONTROL]

Content: The quality control contains recombinant human TLR4 (Phe326~Ile634) disposed in loading buffer.

Usage: 10uL per well when 3,3'-Diaminobenzidine(DAB) as the substrate.

5uL per well when used in enhanced chemilumescent (ECL).

Note: The quality control is specifically manufactured as the positive control. Not used for other purposes.

Loading buffer: 100mM Tris(PH 8.8), 2%SDS, 200mM NaCl, 50% glycerol, BPB 0.01%, Na_3N 0.02%.

[STORAGE]

Store at 4°C for frequent use. Stored at -20°C to -80°C in a manual defrost freezer for one year without detectable loss of activity. Avoid repeated freeze-thaw cycles.