



**Catalog Number** GTX101447      Package:25 µl, 100 µl

**Product Name** CD40 antibody

**Full Name** CD40 molecule, TNF receptor superfamily member 5

**Synonyms** Bp50 antibody, CDW40 antibody, MGC9013 antibody, TNFRSF5 antibody, p50 antibody, CD40 antibody, CD40L receptor antibody, CD40 antigen (TNF receptor superfamily member 5) antibody, B cell-associated molecule antibody, CD40 type II isoform antibody, B-cell surface antigen CD40 antibody, tumor necrosis factor receptor superfamily member 5 antibody, B cell surface antigen CD40 antibody, "tumor necrosis factor receptor superfamily, member 5 antibody", nerve growth factor receptor-related B-lymphocyte activation molecule antibody, "CD40 molecule, TNF receptor superfamily member 5 antibody"

**Product Description** Rabbit Polyclonal antibody to CD40 (CD40 molecule, TNF receptor superfamily member 5)

**Background** The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor has been found to be essential in mediating a broad variety of immune and inflammatory responses including T cell-dependent immunoglobulin class switching, memory B cell development, and germinal center formation. AT-hook transcription factor AKNA is reported to coordinately regulate the expression of this receptor and its ligand, which may be important for homotypic cell interactions. Adaptor protein TNFR2 interacts with this receptor and serves as a mediator of the signal transduction. The interaction of this receptor and its ligand is found to be necessary for amyloid-beta-induced microglial activation, and thus is thought to be an early event in Alzheimer disease pathogenesis. Two alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported. [provided by RefSeq]

**Host** Rabbit

**Clonality** Polyclonal

**Isotype** IgG

**Immunogen** Recombinant protein encompassing a sequence within the center region of human CD40. The exact sequence is proprietary.

**Antigen Species** Human

**Species Reactivity** Human

**Predicted Cross Reactivity species** Rhesus Monkey

**Predict Reactivity Note** Rhesus Monkey (93%)

**Applications** IHC-P, WB

**Application Note**

	Suggested dilution	Reference
IHC (Formalin-fixed paraffin-embedded sections)	1:100-1:1000*	
Western blot	1:500-1:3000*	

Not tested in other applications.

\*Optimal dilutions/concentrations should be determined by the researcher.

**Positive Controls** K562 , THP-1

**Predicted Target Size** 31 kDa

**Cellular Localization** Isoform I: Cell membrane; Single-pass type I membrane protein , Isoform II: Secreted

**Conjugation** Unconjugated

**Form Supplied** Liquid

**Purification** Purified by antigen-affinity chromatography.

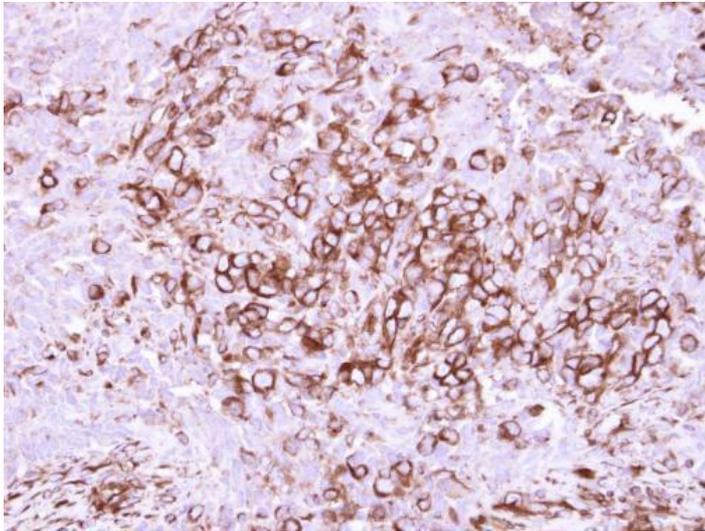
**Concentration** 0.77 mg/ml (Please refer to the vial label for the specific concentration)

**Storage Buffer** 0.1M Tris, 0.1M Glycine, 10% Glycerol (pH7). 0.01% Thimerosal was added as a preservative.

**Storage Instruction** Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

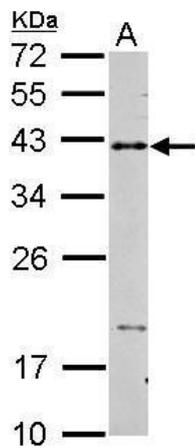
**Notes** For *In vitro* laboratory use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

**ResearchArea** [Cancer](#) > [Type of cancer](#) > [Lung](#) > [Other](#)  
[Disease Related](#) > [Cardiovascular](#) > [Heart](#) > [Heart disease](#)  
[Disease Related](#) > [Cardiovascular](#) > [Vessels](#)



**GTX101447 IHC-P Image**

Immunohistochemical analysis of paraffin-embedded human breast cancer, using CD40(GTX101447) antibody at 1:250 dilution.



**GTX101447 WB Image**

Sample (30 ug of whole cell lysate)

A: THP-1

15% SDS PAGE

GTX101447 diluted at 1:2000