TNF-α (Q178) polyclonal antibody

Catalog: BS1857 Host: Rabbit Reactivity: Human,Mouse,Rat

BackGround:

Tumor Necrosis Factor Alpha (TNF alpha) is a protein secreted by lipopolysaccharide stimulated macrophages, and causes tumor necrosis when injected into tumour bearing mice. TNF alpha is believed to mediate pathogenic shock and tissue injury associated with endotoxemia. TNF alpha exists as a multimer of two, three, or five noncovalently linked units, but shows a single 17 a band following SDS PAGE under non reducing conditions. TNF alpha is closely related to the 25 a protein Tumour Necrosis Factor beta (lymphotoxin), sharing the same receptors and cellular actions. TNF alpha causes cytolysis or cytostasis of certain transformed cells, being synergistic with interferon gamma in its cytotoxicity. Although it has little effect on many cultured normal human cells, TNF alpha appears to be directly toxic to vascular endothelial cells.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 17, 26 kDa

Swiss-Prot:

P01375

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

IF: 1:50~1:200

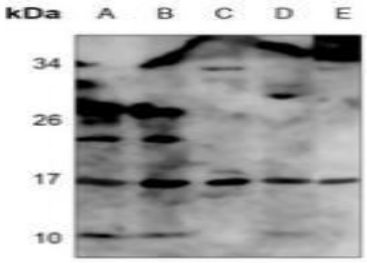
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

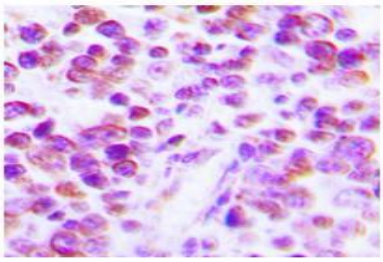
Specificity:

TNFα (Q178) polyclonal antibody detects endogenous levels of TNFα protein.

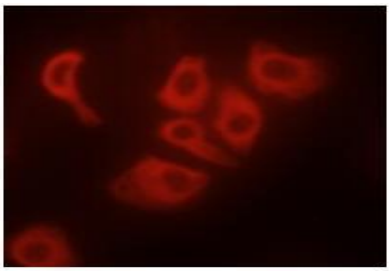
DATA:



Western blot analysis of TNF-α expression in HEK293T (A), Hela (B), mouse lung (C), mouse kidney (D), mouse spleen (E) whole cell lysates.



Immunohistochemical analysis of TNF-α staining in human tonsil formalin fixed paraffin embedded tissue section.



Immunofluorescent analysis of TNF-α staining in HepG2 cells.

Note:

For research use only, not for use in diagnostic procedure.

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