

20-1097: Polyclonal antibody to TRAF-2

Clonality :	Polyclonal
Application :	IP,IHC,WB
Reactivity :	Mouse
Gene :	Traf2
Gene ID :	22030
Uniprot ID :	P39429
Format :	Sera
Alternative Name :	E3 ubiquitin-protein ligase TRAF2, RING-type E3 ubiquitin transferase TRAF2
Isotype :	Rabbit IgG
Immunogen Information :	A synthetic peptide of mouse TRAF-2 (amino acids 250-271 CSFLEAQASPGTLNQVGPELLQR) was used as immunogen for this antibody

Description

This antibody recognizes TRAF2, which is a member of TRAF (TNF receptor-associated factor) adapter proteins composed 501 amino acids. It Links TNFRs (TNF Receptors) to the SAPKs (Stress-Activated Protein Kinases) and p38s. TRAF2 can activate ASK1 (Apoptosis Signal-Regulating Kinase-1) in vivo and can interact in vivo with the amino- and carboxyl-terminal noncatalytic domains of the ASK1 polypeptide. Expression of the amino-terminal noncatalytic domain of ASK1 can inhibit TNF and TRAF2 activation of SAPK. TRAF2 is a potential mediator of CD40 signaling. In vitro, TRAF2 and TRAF3 bind to the CD40 Cytoplasmic Tail (CD40CT) with much higher affinity than TRAF5 and TRAF6 (TNF Receptor Associated Factor-6) and that TRAF2 and TRAF3 bind to different residues of the CD40CT. The TRAF2-binding site of the CD40CT is critical for NF-KappaB and SAPK activation, as well as the UP-regulation of the ICAM1 (Intercellular Adhesion Molecule-1).

Product Info

Amount :	50 µl
Content :	50 µl sera
Storage condition :	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

WB: 1:1000-1:2000, IHC (paraffin): 1:1000-1:5000, IHC (frozen): Users should optimize, IP: 1:50-1:200

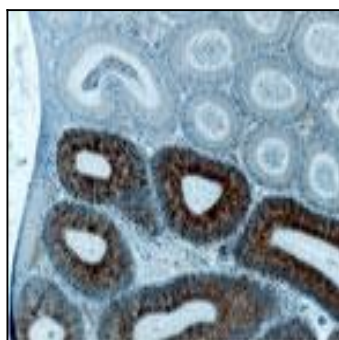


Fig:1 Formalin-fixed, paraffin-embedded mouse testis/epidymis stained for mTRAF2 expression using 20-1097 at 1:2000. Hematoxylin eosin counterstain.

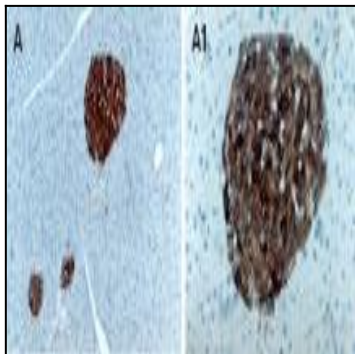


Fig:2 Formalin-fixed, paraffin-embedded mouse pancreas stained for mTRAF2 expression using 20-1097 at 1:2000. Hematoxylin eosin counterstain. A1 is a high magnification of A. Expression of TRAF2 is seen in the pancreatic islets.