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Datasheet for ABIN500927
anti-TIRAP antibody (C-Term)

2 Images

Overview

Quantity:	0.1 mg
Target:	TIRAP
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	TIRAP antibody was raised against a peptide corresponding to 15 amino acids near the C-terminus of mouse TIRAP.
Isotype:	IgG
Specificity:	This antibody detects TIRAP at C-term.
Cross-Reactivity (Details):	Species reactivity (tested):Human, mouse, rat
Purification:	Peptide affinity chromatography

Target Details

Target:	TIRAP
Alternative Name:	TIRAP (TIRAP Products)

Target Details

Background: Toll-like receptors (TLRs) are signaling molecules that recognize different microbial products during infection and serve as an important link between the innate and adaptive immune responses (1-3). These proteins act through adaptor molecules such as TIRAP and MyD88 to activate various kinases and transcription factors (4,5). In TIRAP-deficient mice, TLR signaling in response to TLR2 ligands (using either TLR1 and TLR6 as co-receptors) is totally abolished, suggesting that MyD88 and TIRAP work together and are both required for TLR2 signaling (6). Furthermore, these mice are also resistant to the toxic effects of LPS and show defects in NF- κ B and MAP kinase activation, suggesting that TIRAP is also involved in TLR4 signaling (6,7).
Synonyms: Adaptor protein Wyatt, MAL, MyD88 adapter-like protein, TIR domain-containing adapter protein, Toll/interleukin-1 receptor domain-containing adapter protein

Gene ID: 114609

Pathways: [TLR Signaling](#), [Activation of Innate immune Response](#), [Cellular Response to Molecule of Bacterial Origin](#), [Toll-Like Receptors Cascades](#)

Application Details

Application Notes: ELISA. Western blot: 0.5 to 2 μ g/mL. Immunohistochemistry on paraffin sections.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Buffer: PBS containing 0.02 % sodium azide

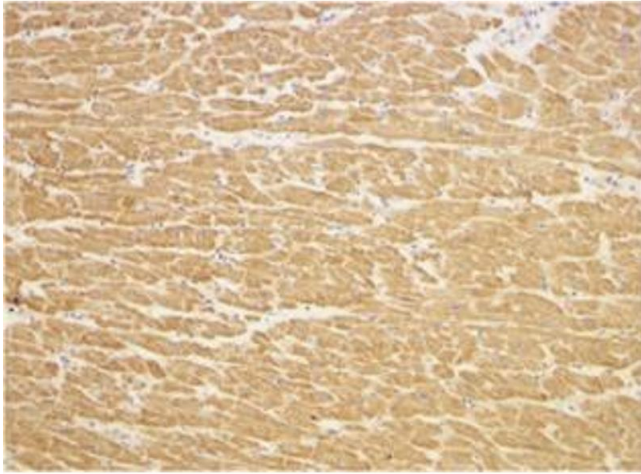
Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

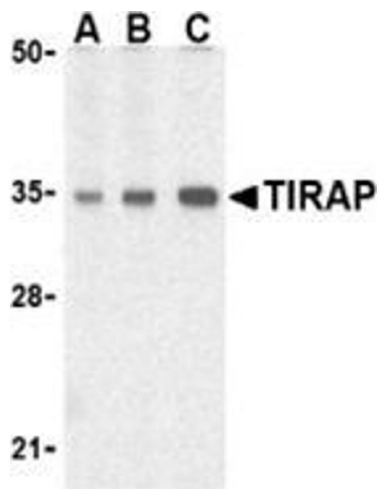
Storage: 4 $^{\circ}$ C/-20 $^{\circ}$ C

Storage Comment: Store at 2 - 8 $^{\circ}$ C for up to one month or (in aliquots) at -20 $^{\circ}$ C for longer.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemical staining of human heart cells using AP30887PU-N at 2 $\mu\text{g}/\text{ml}$.



Western Blotting

Image 2. Western blot analysis of TIRAP in human heart cell lysates with this product at (A) 0.5, (B) 1, and (C) 2 $\mu\text{g}/\text{ml}$.