

## Allgemeine Informationen

<b>Katalog-Nr.:</b> 21574-1-AP	<b>GenBank-Zugangsnummer:</b> BC010140	<b>Reinigungsmethode:</b> Antigen-Affinitätsreinigung
<b>Größe:</b> 150ul , Konzentration: 300 µg/ml von Nanodrop;	<b>GeneID (NCBI):</b> 7132	<b>Empfohlene Verdünnungen:</b> WB 1:500-1:1000 IHC 1:50-1:500 IF 1:50-1:500
<b>Wirt:</b> Kaninchen	<b>Vollständiger Name:</b> tumor necrosis factor receptor superfamily, member 1A	
<b>Isotyp:</b> IgG	<b>Berechnete Masse:</b> 455 aa, 50 kDa	
<b>Immunogen Katalognummer:</b> AG16112	<b>Beobachtete Masse:</b> 50 kDa	

## Anwendungen

### Geprüfte Anwendungen:

FC, IF, IHC, WB, ELISA

### In Publikationen genannte Anwendungen:

CoIP, IF, IHC, IP, WB

### Getestete Reaktivität:

Human, Maus

### Zitierte Arten:

Human, Maus, Ratte

### Positivkontrollen:

**WB** : Raji-Zellen, HeLa-Zellen, HL-60-Zellen, humanes Hirngewebe

**IHC** : humanes Hirngewebe, humanes Mammakarzinomgewebe

**IF** : Maushirngewebe,

**Hinweis-IHC: Antigenmaskierung mit TE-Puffer pH 9,0 empfohlen. (\*) Wahlweise kann die Antigenmaskierung auch mit Citratpuffer pH 6,0 erfolgen.**

## Hintergrundinformationen

Tumor necrosis factor (TNF) is a multifunctional cytokine that plays a key role in regulating inflammation, immune functions, host defense, and apoptosis (PMID: 16407280). TNF exists in soluble and membrane-bound forms. TNF signals through two distinct cell surface receptors, TNFR1 (TNFRSF1A, CD120a) and TNFR2 (TNFRSF1B, CD120b). Whereas TNFR1 is widely expressed, expression of TNFR2 is limited to cells of the immune system, endothelial cells, and nerve cells (PMID: 22053109). TNFR1, which contains a death domain (DD) within its intracytoplasmic region, is thought to be the key receptor for TNF signaling (PMID: 16407280). This receptor can activate NF-kappaB, mediate apoptosis, and function as a regulator of inflammation. Antiapoptotic protein BCL2-associated athanogene 4 (BAG4/SODD) and adaptor proteins TRADD and TRAF2 have been shown to interact with this receptor, and thus play regulatory roles in the signal transduction mediated by the receptor.

## Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Manli Wang	36099882	Cancer Cell	IF
Sisi Lei	36172180	Front Pharmacol	WB
Xian Wang	36147345	Front Pharmacol	WB,IHC,IF

## Lagerung

### Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

### Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

**\*\*\* 20ul-Größen enthalten 0.1% BSA**

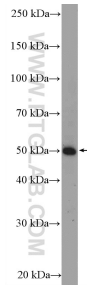
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

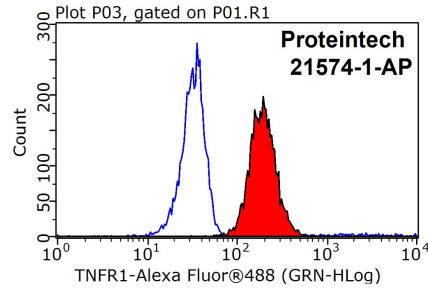
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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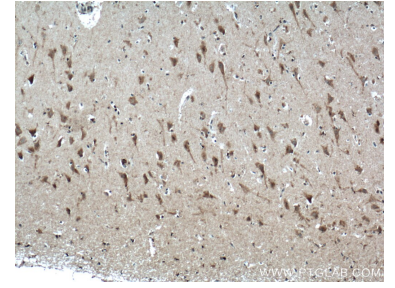
## Ausgewählte Validierungsdaten



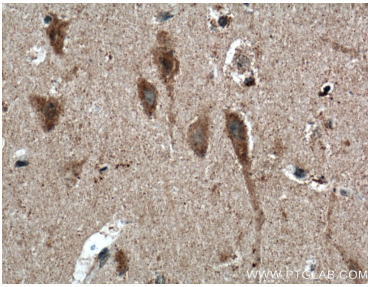
Raji cells were subjected to SDS PAGE followed by western blot with 21574-1-AP (TNFR1 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



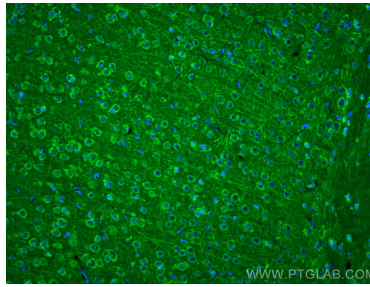
$1 \times 10^6$  Raji cells were stained with 0.2ug TNFR1 antibody (21574-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.



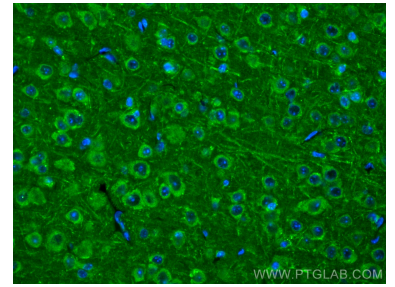
Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 21574-1-AP (TNFR1 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 21574-1-AP (TNFR1 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using TNFR1 antibody (21574-1-AP) at dilution of 1:200 and Coralite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using TNFR1 antibody (21574-1-AP) at dilution of 1:200 and Coralite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).