

Nur für Forschungszwecke

# FMR1 Polyklonaler Antikörper

Katalog-Nr.:13755-1-AP

Vorgestelltes Produkt

7 Publikationen



## Allgemeine Informationen

Katalog-Nr.:  
13755-1-AP

Größe:  
150ul, Konzentration: 500 µg/ml von  
Nanodrop und 240 µg/ml durch die  
Bradford-Methode mit BSA als  
Standard;

Wirt:  
Kaninchen

Isotyp:  
IgG

Immunogen Katalognummer:  
AG4697

GenBank-Zugangsnummer:  
BC038998

GeneID (NCBI):

Vollständiger Name:  
fragile X mental retardation 1

Berechnete Masse:  
632 aa, 71 kDa

Beobachtete Masse:  
59-72 kDa

Reinigungsmethode:  
Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:  
WB 1:500-1:3000  
IP 0.5-4.0 µg für IP und 1:500-1:2000  
für WB  
IHC 1:200-1:800  
IF 1:50-1:500

## Anwendungen

Geprüfte Anwendungen:  
FC, IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:  
IHC, WB

Getestete Reaktivität:  
Human, Maus

Zitierte Arten:  
Human

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

Positivkontrollen:

WB : K-562-Zellen, HEK-293-Zellen, HeLa-Zellen,  
Jurkat-Zellen, Maushirngewebe, Maus-Thymusgewebe  
IP : HeLa-Zellen,

IHC : humanes Kolongewebe, humanes Gliomgewebe,  
humanes Kolonkarzinomgewebe, humanes  
Lebergewebe

IF : HepG2-Zellen, HeLa-Zellen

## Hintergrundinformationen

The selective RNA-binding protein FMRP forms a messenger ribonucleoprotein complex that associates with polyribosomes, implicating in regulation of translation. FMR1 is a component of the CYFIP1-EIF4E-FMR1 complex which binds to and represses the mRNA. It also has a role in the transport of mRNA from the nucleus to the cytoplasm. FMR1 exists several isoforms and the molecular weight of FMR1 is about 59-72 kDa.

## Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Yuhan Hu	36347844	Cell Death Dis	WB,IHC
Yu Men	35351128	Cancer Cell Int	WB
Olga Gourdomichali	35205152	Biology (Basel)	WB

## 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

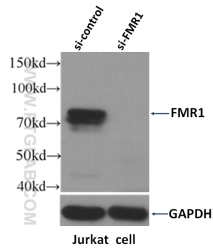
For technical support and original validation data for this product please contact:

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

E: proteintech@ptglab.com  
W: ptglab.com

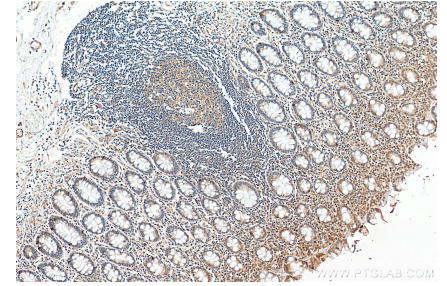
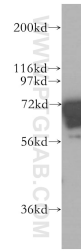
This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Ausgewählte Validierungsdaten

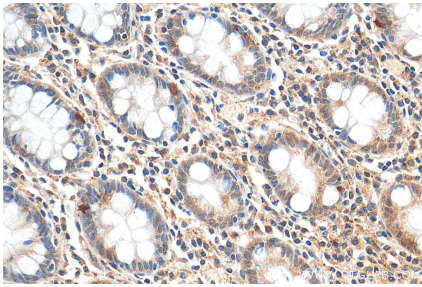


WB result of FMR1 antibody (13755-1-AP, 1:1500) with si-Control and si-FMR1 transfected Jurkat cells. FMR1 gene has many isoforms with MW 59-72 kDa.

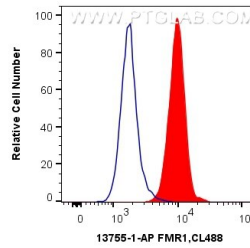
K-562 cells were subjected to SDS PAGE followed by western blot with 13755-1-AP (FMRP antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



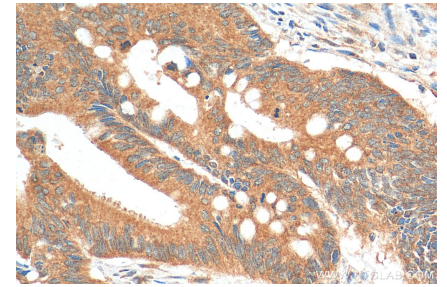
Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 13755-1-AP (FMR1 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



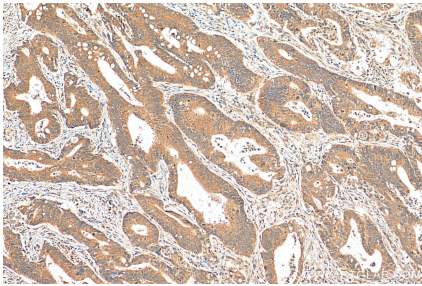
Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 13755-1-AP (FMR1 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



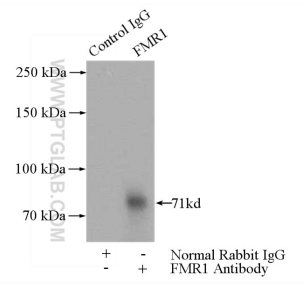
$1 \times 10^6$  Jurkat cells were intracellularly stained with 0.4 ug Anti-Human FMR1 (13755-1-AP) and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



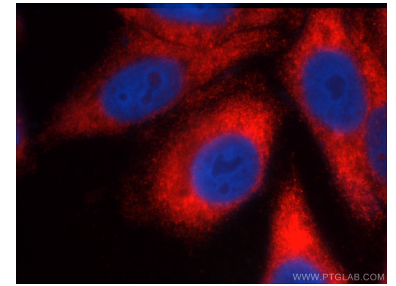
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 13755-1-AP (FMR1 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 13755-1-AP (FMR1 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP Result of anti-FMRP (IP:13755-1-AP, 4ug; Detection:13755-1-AP 1:1000) with HeLa cells lysate 2800ug.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using 13755-1-AP (FMRP antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).