

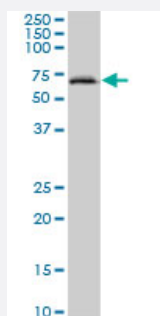
MaxPab®

ACF MaxPab mouse polyclonal antibody (B01)

Catalog # H00029974-B01

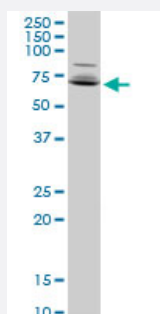
Size 50 uL

Applications



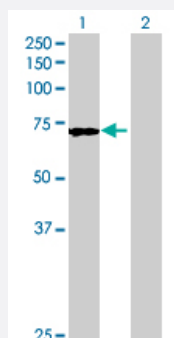
Western Blot (Tissue lysate)

ACF MaxPab polyclonal antibody. Western Blot analysis of ACF expression in human placenta.



Western Blot (Cell lysate)

A1CF MaxPab polyclonal antibody. Western Blot analysis of A1CF expression in HeLa.

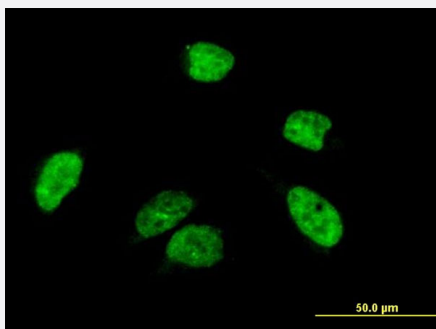


Western Blot (Transfected lysate)

Western Blot analysis of A1CF expression in transfected 293T cell line ([H00029974-T01](#)) by A1CF MaxPab polyclonal antibody.

Lane 1: ACF transfected lysate(65.34 KDa).

Lane 2: Non-transfected lysate.



Immunofluorescence

Immunofluorescence of purified MaxPab antibody to A1CF on HeLa cell.
[antibody concentration 10 ug/ml]

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human ACF protein.
Immunogen	ACF (NP_620311, 1 a.a. ~ 594 a.a) full-length human protein.
Sequence	MEAVCLGTCPEPEASMSTAIPGLKKGNNALQSILQTLLEKENGQRKYGGPPPGWDAAPPERGC EIFIGKLPRDLFEDELIPCEKIGKIYEMRMMMDFNNGNRYAFVTFSNKVEAKNAIKQLNNYEIRNG RLLGVCASVDNCRLFVGGIPKTKKREEILSEMKKVTEGVVDVIVYPSAADKTKNRGFAFVEYESH RAAAMARRKLLPGRIQLWGHGIAVDWAEPEVEVDEDTMSSVKILYVRNLMLSTSEEMIEKEFNNIK PGAVERVKKIRDYAFVHFSNREDAVEAMKALNGKVLGDGSPIEVTLAKPVDKDSYVRYTRGTGGR GTMLQGEYTYSLGQVYDPTTTYLGAPVFYAPQTYAAIPSLHFPATKGHLSNRAIIRAPSVRGAAGVR GLGGRGYLAYTGLGRGYQVKGDKREDKLYDILPGMELTPMNPVTLKPQGKILAPQILEEICQKNNW GQPVYQLHSAIGQDQRQLFLYKITIPALASQNPAPIHPFTPPKLSAFVDEAKTYAAEYTLQTLGIPTDG GDGTMATAAAAATAFPGYAVPNATAPVSAAQLKQAVTLGQDLAAYTTYEVYPTFAVTARGDGYGT F
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (90); Rat (91)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	No additive
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Note	For IHC and IF applications, antibody purification with Protein A will be needed prior to use.

Applications

- Western Blot (Tissue lysate)

ACF MaxPab polyclonal antibody. Western Blot analysis of ACF expression in human placenta.

[Protocol Download](#)

- Western Blot (Cell lysate)

A1CF MaxPab polyclonal antibody. Western Blot analysis of A1CF expression in HeLa.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of A1CF expression in transfected 293T cell line ([H00029974-T01](#)) by A1CF MaxPab polyclonal antibody.

Lane 1: ACF transfected lysate(65.34 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Immunofluorescence

Immunofluorescence of purified MaxPab antibody to A1CF on HeLa cell. [antibody concentration 10 ug/ml]

Gene Info — A1CF

Entrez GeneID [29974](#)

GeneBank Accession# [NM_138933](#)

Protein Accession# [NP_620311](#)

Gene Name A1CF

Gene Alias ACF, ACF64, ACF65, APOBEC1CF, ASP, MGC163391, RP11-564C4.2

Gene Description APOBEC1 complementation factor

Gene Ontology [Hyperlink](#)

Gene Summary

Mammalian apolipoprotein B mRNA undergoes site-specific C to U deamination, which is mediated by a multi-component enzyme complex containing a minimal core composed of APOBEC-1 and a complementation factor encoded by this gene. The gene product has three non-identical RNA recognition motifs and belongs to the hnRNP R family of RNA-binding proteins. It has been proposed that this complementation factor functions as an RNA-binding subunit and docks APOBEC-1 to deaminate the upstream cytidine. Studies suggest that the protein may also be involved in other RNA editing or RNA processing events. Alternative splicing occurs at this locus and three full-length transcript variants, encoding three distinct isoforms, have been described. Additional splicing has been observed but the full-length nature of these variants has not been determined. [provided by RefSeq]

Other Designations

APOBEC-1 stimulating protein|OTTHUMP00000019611|OTTHUMP00000019612|OTTHUMP0000019614|OTTHUMP00000019615|OTTHUMP00000061209|apo-B RNA editing protein|apobec-1 complementation factor|apobec-1 complementation factor (ACF) (ASP)

Publication Reference

- [The RNA-editing Enzyme APOBEC1 Requires Heterogeneous Nuclear Ribonucleoprotein Q Isoform 6 for Efficient Interaction with Interleukin 8 mRNA.](#)

Shimizu Y, Nishitsuji H, Marusawa H, Ujino S, Takaku H, Shimotohno K.

The Journal of Biological Chemistry 2014 Sep; 289(38):26226.

Application: WB-Tr, Human, HuH7.5 cells