10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

HA Tag Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP1012A

Product Information

Application	WB, IF, CHIP, E
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG

Additional Information

Other Names	Glutathione S-transferase
Target/Specificity	KLH conjugated synthetic peptide encoding HA tag (CYPYDVPDYAYPYDVPDYA) was used as antigen.
Dilution	WB~~1:1000 IF~~1:10~50 CHIP~~1:100 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	HA Tag Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

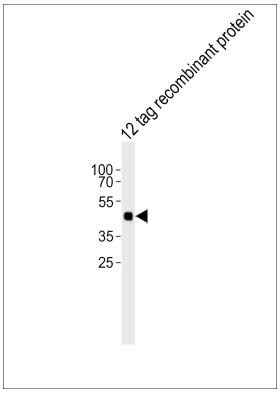
Background

Epitope tags consisting of short sequences recognized by well-characterizated antibodies have been widely used in the study of protein expression in various systems. The HA tag (YPYDVPDYAYPYDVPDYA) is an established example. Abgent's anti-HA polyclonal antibody provides a simple solution to detect the expression of an HA-tagged protein in cells.

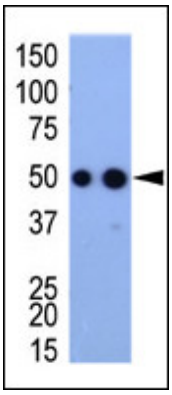
References

Marco. et.al., J Biol Chem. (2009) February 6; 284(6): 3577 585. Kolodziej, PA and Young RA. (1991) Methods Enzymol., 194:508-19. Sells MA and Chernoff J. (1995) Gene, 152:187-9.

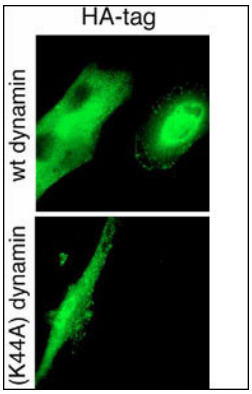
Images



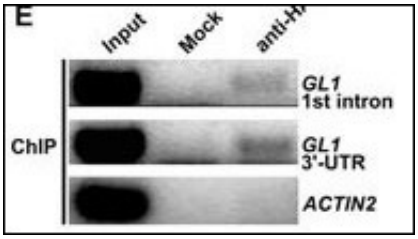
Western blot analysis of lysate from 12 tag recombinant protein cell line, using Tag-HA. 2x Antibody (Cat. #AP1012A). AP1012A was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug.



Western blot analysis of anti-HA tag pab(Cat. #AP1012a)in HA-tagged recombinant protein bacterial lysate.



GTPase activity of dynamin-2 is required for endocytosis of cell-surface tTG. MRC-5 fibroblasts were transiently transfected with either wild-type (wt) or a GTPase-deficient dynamin-2 mutant (K44A) with a hemagglutinin (HA) tag.(Provided by Evgeny A. Zemskov, Irina Mikhailenko:Journal of Cell Science 120, 3188-3199 (2007))



ChIP was performed with 35S:HATCL1 plants using anti-HA antibodies. Rabbit preimmune serum was used as a mock control. Primer sets specific for the first intron or the 3-UTR region of GL1 were used in PCR reactions. ACTIN2 provided a control(Provided by Shucai Wang, Su-Hwan Kwak:Development 134, 3873-3882 (2007))

Citations

- Oncogenic Ras and B-Raf proteins positively regulate death receptor 5 expression through co-activation of ERK and JNK signaling.
- The NEDD8-activating enzyme inhibitor, MLN4924, cooperates with TRAIL to augment apoptosis through facilitating c-FLIP degradation in head and neck cancer cells.
- The eIF4E/eIF4G interaction inhibitor 4EGI-1 augments TRAIL-mediated apoptosis through c-FLIP Down-regulation and DR5 induction independent of inhibition of cap-dependent protein translation.
- Dissection of the relationship between RACK1 and heterotrimeric G-proteins in Arabidopsis.
- Constitutive internalization of G protein-coupled receptors and G proteins via clathrin-independent endocytosis.
- Involvement of c-FLIP and survivin down-regulation in flexible heteroarotinoid-induced apoptosis and enhancement of TRAIL-initiated apoptosis in lung cancer cells.
- TRICHOMELESS1 regulates trichome patterning by suppressing GLABRA1 in Arabidopsis.
- Cell-surface transglutaminase undergoes internalization and lysosomal degradation: an essential role for LRP1.

- Cellular FLICE-inhibitory protein down-regulation contributes to celecoxib-induced apoptosis in human lung cancer cells.
- The novel Akt inhibitor API-1 induces c-FLIP degradation and synergizes with TRAIL to augment apoptosis independent of Akt inhibition.
- mTOR complex 2 stabilizes Mcl-1 protein by suppressing its GSK3-dependent and SCF-FBXW7-mediated degradation.
- mTOR complex 2 is involved in regulation of Cbl-dependent c-FLIP degradation and sensitivity of TRAIL-induced apoptosis.
- Sequential Elution Interactome Analysis of the Mind Bomb 1 Ubiquitin Ligase Reveals a Novel Role in Dendritic Spine Outgrowth.
- L-type Calcium Channel Blockers Enhance Trafficking and Function of Epilepsy-associated α1(D219N) Subunits of GABAA Receptors.
- Suppression of death receptor 5 enhances cancer cell invasion and metastasis through activation of caspase-8/TRAF2-mediated signaling.
- Increased acid ceramidase expression depends on upregulation of androgen-dependent deubiquitinases, USP2, in a human prostate cancer cell line, LNCaP.
- DELLA Proteins Interact with FLC to Repress the Flowering Transition.
- Grp94 Delivers γ-aminobutyric Acid Type A (GABAA) Receptors to Hrd1-Mediatd Endoplasmic Reticulum-Associated Degradation.
- The allosteric glycogen synthase kinase-3 inhibitor NP12 limits myocardial remodeling and promotes angiogenesis in an acute myocardial infarction model.
- Andersen's syndrome mutants produce a knockdown of inwardly rectifying K+ channel in mouse skeletal muscle in vivo.
- A C-terminally truncated mouse Best3 splice variant targets and alters the ion balance in lysosome-endosome hybrids and the endoplasmic reticulum.
- Proteostasis Regulators Restore Function of Epilepsy-Associated GABAReceptors

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.