

Rabbit anti-Human PEG10 Polyclonal Antibody | anti-PEG10 antibody

Anti-PEG10 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA256349	Rabbit	Human	Immunoprecipitation, Immunofluorescence, Immunocytochemistry, Immunohistochemistry, Western Blot

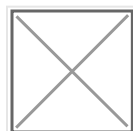
PRODUCT SYNONYMS

PEG10; Polyclonal Antibody; Anti-PEG10 Antibody; Rabbit Polyclonal; PEG10 Antibody; Rabbit PAb; Antigen Affinity Purified; anti-PEG10 antibody

PRODUCT SPECIFICATIONS

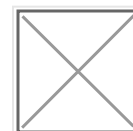
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human PEG10
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-PEG10 antibody	IP (Immunoprecipitation), IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived Human PEG10 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human PEG10 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

IMAGES



IP (Immunoprecipitation)

PEG10 was immunoprecipitated using: Lane A: 0.5 mg HEK 293 Whole Cell Lysate, 4 uL anti-PEG10 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-PEG10 rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 80 kDa. Observed band size: 100 kDa.



IF (Immunofluorescence)

Immunofluorescence staining of PEG10 in HepG2 cells. Cells were fixed with 4% PFA, permeabilized with 0.1% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human PEG10 polyclonal antibody (dilution ratio 1:200) at 4 degree C overnight. Then cells were stained with the Alexa Fluor 488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue). Positive staining was localized to Cytoplasm.



IHC (Immunohistochemistry)

Immunochemical staining of human PEG10 in human adrenal gland with rabbit polyclonal antibody at 1:1000 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of human PEG10 in human placenta with rabbit polyclonal antibody at 1:1000 dilution, formalin-fixed paraffin embedded sections.



WB (Western Blot)

Anti-PEG10 rabbit polyclonal antibody at 1:500 dilution
Lane A: HEK-293 Whole Cell Lysate
Lane B: HeLa Whole Cell Lysate
Lysates/proteins at 30 ug per lane.
Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution.
Developed using the ECL technique.
Performed under reducing conditions.
Predicted band size: 80 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-PEG10 antibody

Paternally expressed gene 10 (PEG10), located on human chromosome 7q21.3, is an oncogene implicated in the proliferation, apoptosis and metastasis of tumors. PEG10 has dual functions: accelerating cell growth by suppressing TGF-beta signaling and inhibiting cell motility and invasion by interfering with TGF-beta and BMP signaling via the AKT and p38 pathways, respectively. PEG10 protein is positively expressed in a variety of cancers with seemingly complex expression regulation mechanisms. PEG10 might be a molecular target for suppressing the aggressive phenotypes of chondrosarcoma cells. PEG10 expression is associated with advanced clinicopathological characteristics and can be used as a prognostic biomarker in patients with solid tumors.

References

Zhang M, et al. (2017) Peg10 is imperative for tgf-beta1-induced epithelial-mesenchymal transition in hepatocellular carcinoma. *Oncol Rep* 37 (1): 510-518.
Xie T, et al. (2018) Peg10 as an oncogene: Expression regulatory mechanisms and role in tumor progression. *Cancer Cell Int* 18 112.
Shapovalova M, et al. (2019) Peg10 promoter-driven expression of reporter genes enables molecular imaging of lethal prostate cancer. *Cancer Res* 79 (21): 5668-5680.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/peg10-antibody-immunoprecipitation-immunofluorescence-immunocytochemistry-immunohistochemistry-western-blot-elisa/256349>