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

ZNF451 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9637a

Specification

ZNF451 Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	Q9Y4E5
Other Accession	Q8C0P7
Reactivity	**Human**
Predicted	**Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**121484**
Antigen Region	**81-110**

ZNF451 Antibody (N-term) - Additional Information

Gene ID 26036

Other Names
Zinc finger protein 451, Coactivator for steroid receptors, ZNF451, COASTER, KIAA0576, KIAA1702

Target/Specificity
This ZNF451 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 81-110 amino acids from the N-terminal region of human ZNF451.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

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
ZNF451 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

ZNF451 Antibody (N-term) - Protein Information

Name ZNF451

Synonyms COASTER {ECO:0000303|Ref.1}, KIAA0576, K

Function E3 SUMO-protein ligase; has a preference for SUMO2 and SUMO3 and facilitates UBE2I/UBC9-mediated sumoylation of target proteins (PubMed:26524493, PubMed:26524494). Plays a role in protein SUMO2 modification in response to stress caused by DNA damage and by proteasome inhibitors (in vitro). Required for MCM4 sumoylation (By similarity). Has no activity with SUMO1 (PubMed:26524493). Preferentially transfers an additional SUMO2 chain onto the SUMO2 consensus site 'Lys-11' (PubMed:26524493). Negatively regulates transcriptional activation mediated by the SMAD4 complex in response to TGF-beta signaling. Inhibits EP300-mediated acetylation of histone H3 at 'Lys-9' (PubMed:24324267). Plays a role in regulating the transcription of AR targets (PubMed:18656483).

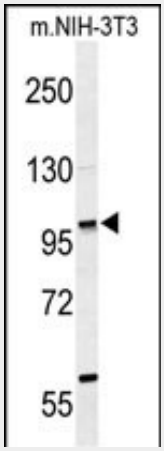
Cellular Location
Nucleus. Nucleus, PML body. Nucleus, nucleoplasm. Note=Colocalizes with UBE2I/UBC9, SUMO1 and SUMO2 in nuclear granules; this probably requires sumoylation. Desumoylation leads to diffuse nucleoplasmic location.

ZNF451 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ZNF451 Antibody (N-term) - Images



Western blot analysis of ZNF451 Antibody (N-term) (Cat. #AP9637a) in mouse NIH-3T3 cell line lysates (35ug/lane). ZNF451 (arrow) was detected using the purified Pab.

ZNF451 Antibody (N-term) - Background

ZNF451 may be involved in transcriptional regulation. Coactivator for steroid receptors

ZNF451 Antibody (N-term) - References

Karvonen, U., et al. J. Mol. Biol. 382(3):585-600(2008)

Colland, F., et al. Genome Res. 14(7):1324-1332(2004)