

Anti-Ankrd26 (RABBIT) Antibody
Ankrd26 Antibody
Catalog # ASR5339**Specification**

Anti-Ankrd26 (RABBIT) Antibody - Product Information

Host	Rabbit
Conjugate	Unconjugated
Target Species	Mouse
Reactivity	Mouse
Clonality	Polyclonal
Application	WB, E, I, LCI
Application Note	This affinity purified antibody has been tested for use in ELISA and by western blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 81 kDa in size corresponding to Ankrd26 by western blotting in the appropriate mouse tissue.
Physical State	Liquid (sterile filtered)
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Immunogen	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to the N-Terminal region near amino acids 1-25 of mouse Ankrd26 protein.
Preservative	0.01% (w/v) Sodium Azide

Anti-Ankrd26 (RABBIT) Antibody - Additional Information**Other Names**
232339**Purity**

This affinity-purified antibody is directed against mouse Ankrd26 protein. The product was affinity purified from monospecific antiserum by immunoaffinity purification. A BLAST analysis was used to suggest cross reactivity with Ankrd26 proteins from mouse (100%), rat (93%), bovine (81%) and human (68%). Reactivity against homologues from other sources is not known.

Storage Condition

Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Precautions Note

This product is for research use only and is not intended for therapeutic or diagnostic applications.

Anti-Ankrd26 (RABBIT) Antibody - Protein Information

Name Ankrd26

Synonyms Kiaa1074

Function

Acts as a regulator of adipogenesis. Involved in the regulation of the feeding behavior.

Cellular Location

Cytoplasm, cytosol. Note=Located just near the plasma membrane in close association with filamentous actin.

Tissue Location

Widely expressed (PubMed:18162531). Expressed in the arcuate and ventromedial nuclei within the hypothalamus and in the ependyma and the circumventricular organs (at protein level) (PubMed:18162531).

Anti-Ankrd26 (RABBIT) Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-Ankrd26 (RABBIT) Antibody - Images



Western blot using Rockland's affinity purified anti-Ankrd26 antibody shows detection of a band at ~81 kDa corresponding to mouse Ankrd26 protein. Lane 1 Blank, Lane 2 MES cell lysate - 80 µg, Lane 3 MES cell lysate - 40 µg, Lane 4 293T-ANKRD26 transfected cell lysate - 20 µg, Lane 5 control 293T cell lysate - 20 µg, Lane 6 BSA-ANKRD26 conjugate 20 ng, Lane 7 BSA - 500 ng, Lane 8 BSA - 100 ng, Lane 9 BSA 20 ng and Lane 10 Protein standards. Detection of endogenous Ankrd26 protein in MES cell lysates may occur when detection methods with higher sensitivity are

used. Proteins were separated by SDS-PAGE, transferred to nitrocellulose, and probed with the primary antibody diluted to 1:1,000 followed by detection using ALP conjugated Gt-a-Rabbit IgG (611-105-122 is suggested) diluted to 1:3,000. Size estimation was made by comparison to prestained MW markers as indicated. Personal Communication. Ira Pastan, NIH, CCR, Bethesda, MD.

Anti-Ankrd26 (RABBIT) Antibody - Background

This antibody is designed, produced, and validated as part of a collaboration between Rockland and the National Cancer Institute (NCI) and is suitable for Cancer, Immunology and Nuclear Signaling research. POTE gene is expressed in prostate and breast cancer and a potential candidate for immuno-therapy. It is also expressed in undifferentiated embryonic stem (ES) cells. ANKRD-26 is the ancestral gene of POTE and has a homologue in mouse. Mouse Ankrd26 is also selectively expressed in ES cells and various cancers but not in other adult tissues. The encoded protein of Ankrd26 contains ankyrin repeats and coiled coil domain of spectrin suggestive of a signaling molecule.