

Caper Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10555**Specification**

Caper Antibody - Product Information

Application	WB, IP
Primary Accession	O14498
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	59380

Caper Antibody - Additional Information**Gene ID** 9584

Application & Usage

Western blotting (1:500 - 1:2500) and Immunoprecipitation. HeLa cell lysate can be used as a positive control. However, the optimal concentrations should be determined individually. The antibody recognizes the Caper of human and mouse origins. Reactivity to other species has not been tested.

Other Names

RNPC2, RNA-binding region containing protein 2, Caper, Coactivator of activating protein-1 and estrogen receptors, HCC1, Hepatocellular carcinoma protein 1, Splicing factor CC1.3, Splicing factor CC1.4

Target/Specificity

Caper

Antibody Form

Liquid

Appearance

Colorless liquid

Formulation

100 µl affinity purified rabbit polyclonal antibody in phosphate-buffered saline (PBS) containing 30% glycerol, 0.5% BSA and 0.01% thimerosal.

Handling

The antibody solution should be gently mixed before use.

Reconstitution & Storage

-20 °C

Background Descriptions

Precautions

Caper Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Caper Antibody - Protein Information

Name RBM39 {ECO:0000303|PubMed:28302793, ECO:0000312|HGNC:HGNC:15923}

Function

RNA-binding protein that acts as a pre-mRNA splicing factor (PubMed:15694343, PubMed:24795046, PubMed:28302793, PubMed:28437394, PubMed:31271494). Acts by promoting exon inclusion via regulation of exon cassette splicing (PubMed:31271494). Also acts as a transcriptional coactivator for steroid nuclear receptors ESR1/ER-alpha and ESR2/ER-beta, and JUN/AP-1, independently of the pre-mRNA splicing factor activity (By similarity).

Cellular Location

Nucleus speckle. Note=Concentrated in nuclear speckles (PubMed:8227358). Colocalizes with the core spliceosomal snRNP proteins (PubMed:8227358)

Tissue Location

Widely expressed. Highly expressed in pancreas, skeletal muscle, lung and brain (PubMed:8227358). Expressed at intermediate level in kidney, liver and heart (PubMed:8227358)

Caper 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](#)

Caper Antibody - Images

Caper Antibody - Background

Caper, also known as splicing factor HCC1 or hepatocellular carcinoma protein 1 and RNA binding region containing protein 2 (RNPC2), acts as a transcriptional coactivator for steroid nuclear receptors c-Jun, ERalpha and ER-beta. Caper, a nuclear protein with highest concentrations in nuclear speckles, plays a role in the pre-mRNA splicing process. Two isoforms of Caper, HCC1.3 and HCC1.4, co-localize with pre-mRNA splicing factor SC35 and uridine-rich small nuclear RNAs. Caper is a widely expressed protein with highest levels detected in skeletal muscle, lung, brain and pancreas.