

LRRC26 Antibody
Catalog # ASC11720**Specification**

LRRC26 Antibody - Product Information

Application	WB, IHC
Primary Accession	Q2I0M4
Other Accession	NP_001013675 , 61966761
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	Predicted: 37 kDa; Observed: 48 kDa KDa
Application Notes	LRRC26 antibody can be used for detection of LRRC26 by Western blot at 0.5 - 1 µg/ml. Antibody can also be used for immunohistochemistry starting at 2.5 µg/mL.

LRRC26 Antibody - Additional InformationGene ID **389816****Target/Specificity**

LRRC26; LRRC26 antibody is human specific.

Reconstitution & Storage

LRRC26 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.

Precautions

LRRC26 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

LRRC26 Antibody - Protein Information**Name** LRRC26**Synonyms** CAPC**Function**

Auxiliary protein of the large-conductance, voltage and calcium-activated potassium channel (BK alpha). Required for the conversion of BK alpha channels from a high-voltage to a low-voltage activated channel type in non-excitable cells. These are characterized by negative membrane voltages and constant low levels of calcium.

Cellular Location

Cell membrane; Single-pass type I membrane protein. Cytoplasm, cytoskeleton. Note=Localizes to the cytoplasm when expressed at high levels.

Tissue Location

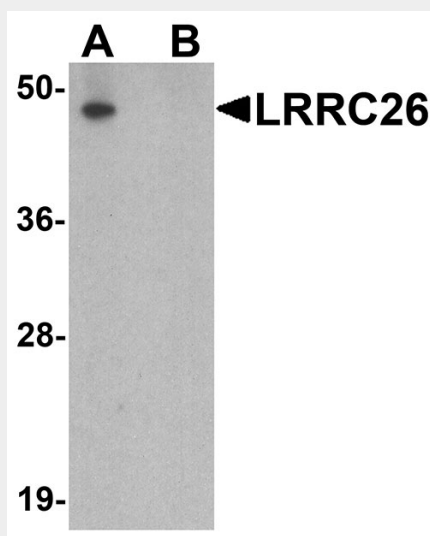
Isoform 1 is expressed highly in normal prostate and salivary gland, very weakly in colon, pancreas, and intestine, and not at all in other tissues. Isoform 1 is expressed highly in many cancer cell lines and in breast cancer, pancreatic cancer and colon cancer. Isoform 2 is expressed in cancer cell lines

LRRC26 Antibody - Protocols

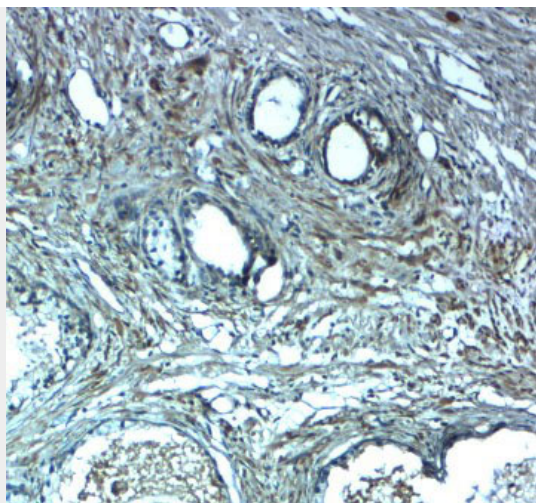
Provided below are standard protocols that you may find useful for product applications.

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

LRRC26 Antibody - Images



Western blot analysis of LRRC26 in human prostate tissue lysate with LRRC26 antibody at 0.5 µg/ml in (A) the absence and (B) the presence of blocking peptide.



Immunohistochemistry of LRRC26 in human prostate tissue with LRRC26 antibody at 2.5 µg/mL.

LRRC26 Antibody - Background

The LRRC26 protein was initially identified as a cytokeratin-associated protein whose expression was elevated in multiple cancer cell lines and cancer specimens as well in normal prostate and salivary gland tissues (1). LRRC26 was later found to negatively regulate the NF-kappaB activation and suppresses tumor growth and metastasis (2). LRRC26 can also act to selectively alter the efficacy of large conductance calcium-activated K (BK) channels (3).

LRRC26 Antibody - References

Egland KA, Liu XF, Squires S, et al. High expression of a cytokeratin-associated protein in many cancers. *Proc. Natl. Acad. Sci. USA* 2006; 103:5929-34.
Liu XF, Xiang L, Zhang Y, et al. CAPC negatively regulates NF- κ B activation and suppresses tumor growth and metastasis. *Oncogene* 2012; 31:1673-82.
Almassy J and Begenisich T. The LRRC26 protein selectively alters the efficacy of BK channel activators. *Mol. Pharmacol.* 2012; 81:21-30.