

Product information

Product number: AS06 148
Lot Number: 0606
Clonality: Polyclonal
Raised in: Rabbit
Purity: Affinity purified IgG, in PBS pH 7,4 + BSA at 1mg/ml

Upon reconstitution add 90,9 µl of sterile dist. water.

Storage instructions: 4°C temporary storage;
- 20°C or - 80°C long term storage (years)

Please, avoid freezing and thawing of antibodies. Make aliquots instead.

Please, remember to spin tubes briefly prior to opening them to avoid any losses that might occur from liquid or lyophilized material adhering to the cap or sides of the tubes.

Reference:

Nilsson et al. (2003) LRIG1 protein in human cells and tissues. Cell and Tissue Research 312: 65.

Background

LRIG1 protein is coded by a gene on a chromosome band 3p14.3, this region is known to be deleted in various human cancers. LRIG1 is considered to be a tumour suppressor gene in humans. LRIG1 is an integral cell-surface membrane protein that is expressed by specific cells in various human tissues and that its 143-kDa form might be cleaved into 111-kDa and 32-kDa fragments.

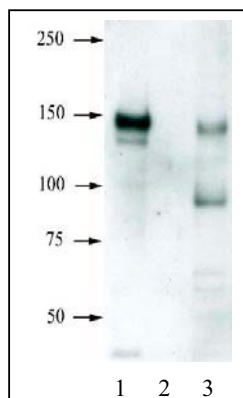
The LRIG1 protein may inhibit the growth of tumors of glial cells and the down-regulation of the LRIG1 gene may be involved in the development and progression of the tumor.

Immunogen: synthetic peptide conjugated to KLH. The peptide corresponded to part of the cytoplasmic tail (C-terminal part).

Application information

Western Blot:

Working concentration - 1 microgram/ml



Western Blot has been done using:

The COS-7 cells transfected with expression vectors encoding LRIG1 (line 1) or LRIG2 (Line 2) and ZR-75, a breast carcinoma cell line (Line 3).

Loading:

0.5 microgram of COS-7 lysates and 10 microgram of ZR-75 lysate.

Reactivity:

Immunoblotting demonstrated LRIG1 protein in tissue lysates from normal human prostate, mammary epithelial cells, ileum, stomach, lung, and cerebral cortex.

LRIG1 protein is migrating in denaturing polyacrylamide gel electrophoresis under reducing conditions as two species with apparent molecular weights of 143kDa and 134 kDa, and as two fragments corresponding to an N-terminal 111-kDa species and a C terminal 32-kDa species. Under non-reducing conditions, both apparent monomers and apparent higher molecular weight complexes were evident.

Immunohistochemistry: 0.5 - 1 microgram/ml done on normal human tissues, showed staining for LRIG1 in epithelia in various organs, scattered neurons, and muscles. Paraffin embedded tissues, detailed protocol can be found in Guo et al. (2006) Acta Neuropathologica 111:238 and Nilsson et al. (2003) Cell and Tissue Research 312:65.

Antibodies are intended for the research use only not for diagnostic or therapeutic use.

Distributor



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