

KRT18 / CK18 / Cytokeratin 18 Antibody (clone AT2G3) Mouse Monoclonal Antibody Catalog # ALS14450

### Specification

## KRT18 / CK18 / Cytokeratin 18 Antibody (clone AT2G3) - Product Information

Application Primary Accession Reactivity Host Clonality Calculated MW WB, IF, IHC <u>P05783</u> Human Mouse Monoclonal 48kDa KDa

### KRT18 / CK18 / Cytokeratin 18 Antibody (clone AT2G3) - Additional Information

Gene ID 3875

**Other Names** Keratin, type I cytoskeletal 18, Cell proliferation-inducing gene 46 protein, Cytokeratin-18, CK-18, Keratin-18, K18, KRT18, CYK18

Target/Specificity Human KRT18 / Cytokeratin 18

**Reconstitution & Storage** Can be stored at 4°C. For long term storage, aliquot and store at -20°C. Avoid repeated freezing and thawing cycles.

**Precautions** KRT18 / CK18 / Cytokeratin 18 Antibody (clone AT2G3) is for research use only and not for use in diagnostic or therapeutic procedures.

### KRT18 / CK18 / Cytokeratin 18 Antibody (clone AT2G3) - Protein Information

Name KRT18

Synonyms CYK18

Function

Involved in the uptake of thrombin-antithrombin complexes by hepatic cells (By similarity). When phosphorylated, plays a role in filament reorganization. Involved in the delivery of mutated CFTR to the plasma membrane. Together with KRT8, is involved in interleukin-6 (IL-6)-mediated barrier protection.

#### **Cellular Location**

Nucleus matrix {ECO:0000250|UniProtKB:Q5BJY9}. Cytoplasm, perinuclear region. Nucleus, nucleolus. Cytoplasm {ECO:0000250|UniProtKB:Q5BJY9}



**Tissue Location** 

Expressed in colon, placenta, liver and very weakly in exocervix. Increased expression observed in lymph nodes of breast carcinoma.

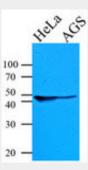
**Volume** 50 μl

# KRT18 / CK18 / Cytokeratin 18 Antibody (clone AT2G3) - Protocols

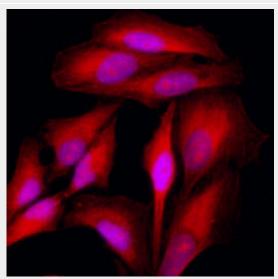
Provided below are standard protocols that you may find useful for product applications.

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

## KRT18 / CK18 / Cytokeratin 18 Antibody (clone AT2G3) - Images

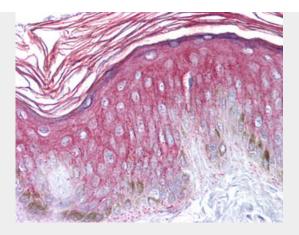


Cell lysates of HeLa and AGS (35 ug) were resolved by SDS-PAGE, transferred to PVDF membrane and...



Immunofluorescence of HeLa cells stained with Hoechst 3342 (Blue) for nucleus staining and...





Anti-KRT18 / Cytokeratin 18 antibody IHC of human skin. KRT18 / CK18 / Cytokeratin 18 Antibody (clone AT2G3) - Background

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## KRT18 / CK18 / Cytokeratin 18 Antibody (clone AT2G3) - References

Oshima R.G., et al. Differentiation 33:61-68(1986). Kim J.W., et al. Submitted (SEP-2004) to the EMBL/GenBank/DDBJ databases. Kalnine N., et al. Submitted (OCT-2004) to the EMBL/GenBank/DDBJ databases. Suzuki Y., et al. Submitted (APR-2005) to the EMBL/GenBank/DDBJ databases. Kulesh D.A., et al. Mol. Cell. Biol. 8:1540-1550(1988).