

Claudin 7 (AB1433) mouse mAb

W0331

Key Features

Host Species

- Mouse

Reactivity

- Human; Mouse; Rat;

Applications

- IHC; WB; IF; ELISA

MW

- 22 kDa (calculated)
- 22 kDa (observed)

Isotype

- IgG2b, kappa

Recommended Dilution Ratios

Application

IHC; WB; IF; ELISA

Dilution

IHC, 1:200-1:1000 | WB, 1:500-1:2000 | IF, 1:100-1:500 | ELISA, Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Storage

Storage Conditions

Store at -20°C. Avoid freeze / thaw cycles.

Storage buffer

The antibody is provided in liquid form in phosphate - buffered saline with 50% glycerol, 0.05% BSA, and 0.05% Proclin 300.

Basic Information

Clonality Monoclonal

Clone Number AB1433

Immunogen A synthetic peptide corresponding to the amino acid region 100 - 211 of the human Claudin 7 protein.

Specificity The antibody can specifically recognize human Claudin 7 protein. In western blotting of LnCap cell lysate, the antibody can label a 22 kDa band corresponding to Claudin 7.

Purification Affinity purification Protein A

Concentration Product concentration may vary by batch. Please refer to the product COA for details.

Target Information

Gene name CLDN7 CEPTRL2 CPETRL2

Protein Name Claudin 7

Database Link	Organism	Swiss Prot.	Gene ID
	Human	O95471	1366

Background Claudin 7 is a 22 kDa membrane protein, belonging to the tight junction protein family. Claudin family proteins play an important role in cell polarity, signal transduction and the pathogenesis of a variety of malignant tumors. It has been reported that compared with non neoplastic mucosal tissues, the expression of claudin 7 in laryngeal squamous cell carcinoma is down-regulated, and the expression level is related to distant metastasis, which can be used as a potential predictor of poor prognosis. Therefore, claudin 7 may be a useful immunohistochemical marker for the diagnosis, metastasis and prognosis of laryngeal cancer.