

Anti- CD227/MUC1 (Phospho-Tyr1229) Polyclonal



Antibody

Catalog No.	Size
A100148-01	50 µl
A100148-02	100 µl

Specificity	Anti-CD227/MUC1 (Phospho-Tyr1229) (human)
Source	Rabbit Polyclonal
Application	WB ELISA IHC IF
Form	Liquid, 1 mg/ml

Product

Swiss-Prot No.: P15941

Other Names: Breast carcinoma-associated antigen DF3; Carcinoma-associated mucin; CD227; EMA; Episialin; H23AG; MUC-1; mucin 1; Mucin 1 precursor; mucin 1, transmembrane; Peanut-reactive urinary mucin; PEM; PEMT; Polymorphic epithelial mucin; PUM; Tumor-associated epithelial membrane antigen; Tumor-associated mucin

Specificity and Sensitivity

CD227/MUC1 (Phospho-Tyr1229) antibody detects endogenous levels of CD227/MUC1 only when phosphorylated at tyrosine 1229.

Source and Purification

The antiserum was produced against synthesized phosphopeptide derived from human CD227/MUC1 around the phosphorylation site of tyrosine 1229 (S-P-Y^P-E-K). The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Application Notes

Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows:

WB: 1:500~1:3000 IHC: 1:50~1:100

ELISA: 1:1000 IF: 1:100~1:500

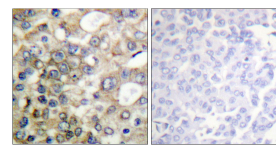
Storage Buffer

Rabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Storage Instructions

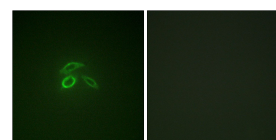
Stable for 1 year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing. Aliquot will be stable at 4°C for 3 months.

Images



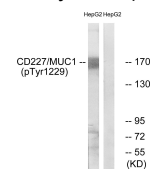
P-peptide - +

Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue using CD227/MUC1 (Phospho-Tyr1229) antibody.



P-peptide - +

Immunofluorescence analysis of HepG2 cells, using CD227/MUC1 (Phospho-Tyr1229) antibody.



PMA ++
P-peptide - +

Western blot analysis of extracts from HepG2 cells, treated with PMA (125ng/ml, 30mins), using CD227/MUC1 (Phospho-Tyr1229) antibody.