

Datasheet for ABIN1531735
anti-MUC1 antibody (pTyr1229)



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3 Images

Overview

Quantity:	100 µL
Target:	MUC1
Binding Specificity:	AA 1201-1250, pTyr1229
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MUC1 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Western Blotting (WB), ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	The antiserum was produced against synthesized peptide derived from human CD227/MUC1 around the phosphorylation site of Tyr1229.
Isotype:	IgG
Specificity:	CD227/MUC1 (Phospho-Tyr1229) Antibody detects endogenous levels of CD227/MUC1 only when phosphorylated at Tyr1229. PhosphorylationH:Y1229>
Purification:	The antibody was purified from rabbit antiserum by affinity-chromatography using phospho peptide. The antibody against non-phospho peptide was removed by chromatography using corresponding non-phospho peptide.
Purity:	> 95 %

Target Details

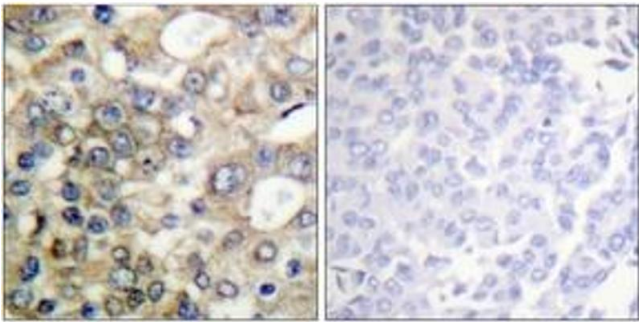
Target:	MUC1
Alternative Name:	CD227/MUC1 (MUC1 Products)
Background:	Synonyms: Breast carcinoma-associated antigen DF3, Carcinoma-associated mucin, CD227, EMA, Episialin, H23AG, MUC-1, mucin 1, Mucin 1 precursor, mucin 1, transmembrane, Peanut-reactive urinary mucin, PEM, PEMT, Polymorphic epithelial mucin, PUM, Tumor-associated epi NCBI Gene Symbol: MUC1
Molecular Weight:	122 kDa
Gene ID:	4582
OMIM:	113720
UniProt:	P15941
Pathways:	Negative Regulation of intrinsic apoptotic Signaling

Application Details

Application Notes:	WB: 1:500~1:1000 IHC: 1:50~1:100 IF: 1:100~1:500 ELISA: 1:1000
Comment:	Unigene-Number: Hs.89603 (NCBI Gene Symbol: MUC1)
Restrictions:	For Research Use only

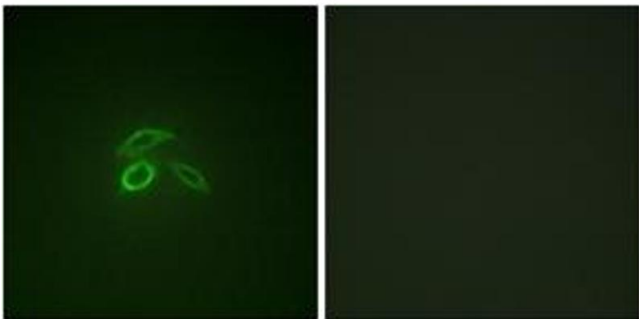
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Stable at -20°C for at least 1 year.
Expiry Date:	12 months



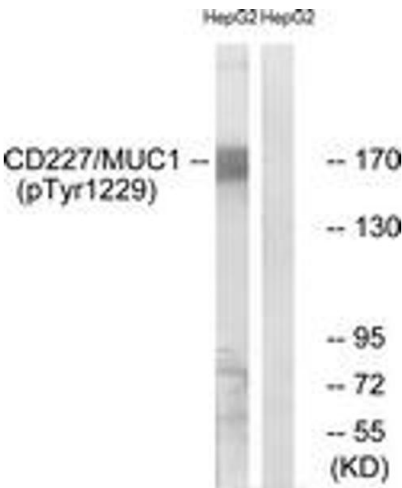
Immunohistochemistry

Image 1. Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using CD227/MUC1 (Phospho-Tyr1229) Antibody. The picture on the right is treated with the synthesized peptide.



Immunofluorescence

Image 2. Immunofluorescence analysis of HepG2 cells, using CD227/MUC1 (Phospho-Tyr1229) Antibody. The picture on the right is treated with the synthesized peptide.



Western Blotting

Image 3. Western blot analysis of extracts from HepG2 cells treated with PMA 125ng/ml 30', using CD227/MUC1 (Phospho-Tyr1229) Antibody. The lane on the right is treated with the synthesized peptide.