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## anti-MUC4 antibody (N-Term)





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Quantity:	400 μL	
Target:	MUC4	
Binding Specificity:	AA 529-560, N-Term	
Reactivity:	Human	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This MUC4 antibody is un-conjugated	
Application:	Western Blotting (WB)	
Product Details		
Immunogen:	This MUC4(Mucin-4 alpha chain) antibody is generated from a rabbit immunized with a KLH	
Immunogen:	This MUC4(Mucin-4 alpha chain) antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 529-560 amino acids from the N-terminal region of human MUC4(Mucin-4 alpha chain).	
Immunogen: Clone:	conjugated synthetic peptide between 529-560 amino acids from the N-terminal region of	
	conjugated synthetic peptide between 529-560 amino acids from the N-terminal region of human MUC4(Mucin-4 alpha chain).	
Clone:	conjugated synthetic peptide between 529-560 amino acids from the N-terminal region of human MUC4(Mucin-4 alpha chain).  RB49957	
Clone:	conjugated synthetic peptide between 529-560 amino acids from the N-terminal region of human MUC4(Mucin-4 alpha chain).  RB49957  IgG	
Clone:  Isotype:  Purification:	conjugated synthetic peptide between 529-560 amino acids from the N-terminal region of human MUC4(Mucin-4 alpha chain).  RB49957  IgG	

#### Target Details

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May play a role in tumor progression. Ability to promote tumor growth may be mainly due to repression of apoptosis as opposed to proliferation. Has anti-adhesive properties. Seems to alter cellular behavior through both anti-adhesive effects on cell-cell and cell-extracellular matrix interactions and in its ability to act as an intramembrane ligand for ERBB2. Plays an important role in cell proliferation and differentiation of epithelial cells by inducing specific phosphorylation of ERBB2. The MUC4-ERBB2 complex causes site-specific phosphorylation of the ERBB2 'Tyr-1248'. In polarized epithelial cells segragates ERBB2 and other ERBB receptors and prevents ERBB2 from acting as a coreceptor. The interaction with ERBB2 leads to enhanced expression of CDKN1B. The formation of a MUC4-ERBB2-ERBB3-NRG1 complex leads to down-regulation of CDKN1B, resulting in repression of apoptosis and stimulation of proliferation.

Molecular Weight:

231518

UniProt:

Q99102

Pathways:

Regulation of Leukocyte Mediated Immunity

#### **Application Details**

Application Notes:

WB: 1:1000

6 months

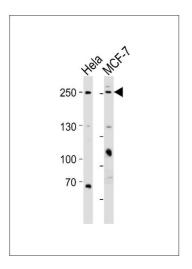
Restrictions:

For Research Use only

### Handling

Expiry Date:

Format:	Liquid		
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.		
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:	4 °C,-20 °C		



#### **Western Blotting**

**Image 1.** Western blot analysis of lysates from Hela, MCF-7 cell line (from left to right), using MUC4(Mucin-4 alpha chain) Antibody (N-term) (ABIN6242467 and ABIN6577573). (ABIN6242467 and ABIN6577573) was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 35 µg per lane.