MUC7 Rabbit pAb

CatalogNo: YN0882

Key Features

Host Species
- Rabbit

Reactivity
- Human

Applications
- WB,ELISA

MW
- 41kD (Observed)

Isotype
- IgG

Storage

Storage*	-15°C to -25°C/1 year(Do not lower than -25°C)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-2000
ELISA 1:5000-20000

Basic Information

Clonality	Polyclonal

Immunogen Information

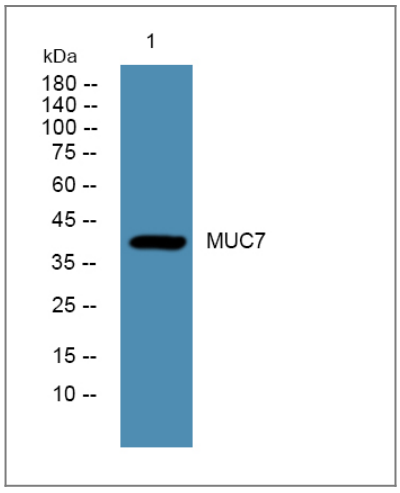
Immunogen	Synthesized peptide derived from human protein . at AA range: 40-120
Specificity	MUC7 Polyclonal Antibody detects endogenous levels of protein.

Target Information

Gene name	MUC7 MG2

Protein Name	Mucin-7 (MUC-7) (Apo-MG2) (Salivary mucin-7)		
	Organism	**Gene ID**	**UniProt ID**
	Human	4589;	Q8TAX7;
Cellular Localization	Secreted .		
Tissue specificity	Expressed in salivary gland tissues and only in those that contain mucous acinar cells (e.g. sublingual and submandibular glands) and not in salivary glands containing only serous acinar cells (e.g. parotid gland).		
Function	Disease:MUC7 alleles are associated with susceptibility to asthma [MIM:600807]. The MUC7*5 allele is rarer in the atopic asthmatics than in the atopic non-asthmatics. Comparison of all atopic individuals with all nonatopic shows no difference, while comparison of all asthmatic individuals with all non-asthmatic shows that the asthmatic group has reduced MUC7*5 frequency. The significantly lower frequency of the MUC7*5 allele in individuals with atopic asthma was explained by the possible association between alleles and different interactions with bacteria, since the glycosylated domain is thought to be responsible, at least in part, for the bacterial binding that allows bacteria to be cleared from the epithelial surfaces.,Function:May function in a protective capacity by promoting the clearance of bacteria in the oral cavity and aiding in mastication, speech, and swallowing. Binds P.aeruginosa pili.,polymorphism:The most common allele, MUC7*6, contains a tandem repeat domain comprising 6 repeats (shown here) each composed of 23 amino acids. These repeats are very similar but not identical. In a large cohort of 375 individuals from a variety of ethnic backgrounds, three different alleles were detected, MUC7*6 being the most common, in all populations studied, followed by MUC7*5 (5 repeats), with frequency varying from 0.05 in Africans to 0.22 in East Asians. MUC7*8 (8 repeats), a novel rare allele, was identified in 1 Northern European individual.,PTM:N- and O-glycosylated. Contains fucose, mannose, galactose, N-acetylglucosamine and N-acetylgalactosamine.,subunit:Monomer.,tissue specificity:Expressed in salivary gland tissues and only in those that contain mucous acinar cells (e.g. sublingual and submandibular glands) and not in salivary glands containing only serous acinar cells (e.g. parotid gland).,		

Validation Data



Western blot analysis of lysates from PC12 cells, primary antibody was diluted at 1:1000, 4°over night

Contact information

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Please scan the QR code to access additional product information:
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