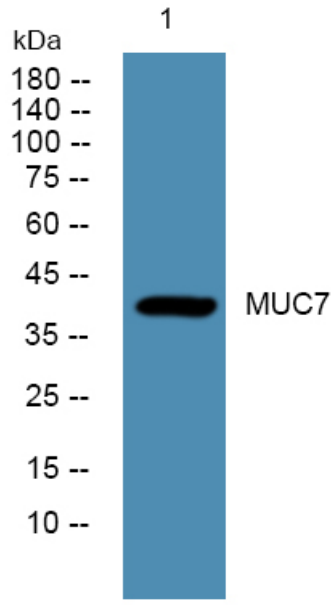
MUC7 Polyclonal Antibody

Catalog No	YP-Ab-05755
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;ELISA
Gene Name	MUC7 MG2
Protein Name	Mucin-7 (MUC-7) (Apo-MG2) (Salivary mucin-7)
Immunogen	Synthesized peptide derived from human protein . at AA range: 40-120
Specificity	MUC7 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	41kD
Cell Pathway	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.aeru
Background	mucin 7, secreted(MUC7) Homo sapiens This gene encodes a small salivary mucin, which is thought to play a role in facilitating the clearance of bacteria in the

	oral cavity and to aid in mastication, speech, and swallowing. The central domain of this glycoprotein contains tandem repeats, each composed of 23 amino acids. This antimicrobial protein has antibacterial and antifungal activity. The most common allele contains 6 repeats, and some alleles may be associated with susceptibility to asthma. Alternatively spliced transcript variants with different 5' UTR, but encoding the same protein, have been found for this gene. [provided by RefSeq, Oct 2014],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



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