



Anti-MUC4 (aa 79-188) polyclonal antibody (DPAB-DC1971)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	The major constituents of mucus, the viscous secretion that covers epithelial surfaces such as those in the trachea, colon, and cervix, are highly glycosylated proteins called mucins. These glycoproteins play important roles in the protection of the epithelial cells and have been implicated in epithelial renewal and differentiation. This gene encodes an integral membrane glycoprotein found on the cell surface, although secreted isoforms may exist. At least two dozen transcript variants of this gene have been found, although for many of them the full-length transcript has not been determined or they are found only in tumor tissues. This gene contains a region in the coding sequence which has a variable number (>100) of 48 nt tandem repeats.
Immunogen	MUC4 (NP_004523, 79 a.a. ~ 188 a.a) partial recombinant protein with GST tag. The sequence is GVSLFPYGDAGDLEFVRRTVDFTSPLFKPATGFLGSSLRDSLFTDNGQIIFPESDYQ IFSYPNPLPTGFTGRDPVALVAPFWDDADFSTGRGTTFYQEYETFYGEHS
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	MUC4 mucin 4, cell surface associated [Homo sapiens (human)]
Official Symbol	MUC4
Synonyms	MUC4; mucin 4, cell surface associated; ASGP; MUC-4; HSA276359; mucin-4; testis mucin; tracheobronchial mucin; ascites sialoglycoprotein; mucin 4, tracheobronchial; pancreatic adenocarcinoma mucin;
Entrez Gene ID	4585
Protein Refseq	NP_004523
UniProt ID	A0T3F4
Chromosome Location	3q29
Pathway	Metabolism of proteins; O-linked glycosylation of mucins; Termination of O-glycan biosynthesis;
Function	ErbB-2 class receptor binding; extracellular matrix constituent, lubricant activity;