

# Product Datasheet

## MUC1 Antibody NB120-15481

Unit Size: 0.5 ml

Store at 4C. Do not freeze.

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**NB120-15481**

## MUC1 Antibody

Product Information	
Unit Size	0.5 ml
Concentration	0.2 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.1% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.6) and 1.0% BSA
Target Molecular Weight	350 kDa

Product Description	
Host	Rabbit
Gene ID	4582
Gene Symbol	MUC1
Species	Human, Mouse
Reactivity Notes	Predicted by homology: Bovine, Rabbit, Rat.
Specificity/Sensitivity	MUC1
Immunogen	Synthetic peptide (unfortunately, the amino acid sequence is considered to be commercially sensitive) (Human) from cytoplasmic tail of human MUC-1.

Product Application Details	
Applications	Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin 1:100
Application Notes	IHC-P: Use at a dilution of 1/100. Antigen retrieval is not essential but may optimise staining. Predicted molecular weight: 122 kDa. Use in Immunocytochemistry/immunofluorescence reported in scientific literature (PMID 26002932)

## Publications

Marinic M, Mika K, Chigurupati S, Lynch V Evolutionary transcriptomics implicates HAND2 in the origins of implantation and regulation of gestation length *Elife* 2021-02-01 [PMID: 33522483]

Kelleher, A M, Burns, G W Et al. Uterine glands impact uterine receptivity, luminal fluid homeostasis and blastocyst implantation. *Sci Rep* 2016-12-01 [PMID: 27905495] (IF/IHC, Human)

Kannan A, Davila J, Gao L Et al. Maternal high-fat diet during pregnancy with concurrent phthalate exposure leads to abnormal placentation *Scientific reports* 2021-08-16 [PMID: 34400704] (IHC-P, Mouse)

Sekulovski N Tissue-Specific Ablation of Insulin Receptor Signaling Results in Infertility in Female Mice Thesis 2020-01-01 (Mouse)

Ezoe K, Murata N, Yabuuchi A et al. Evaluation of uterine receptivity after gonadotropin releasing hormone agonist administration as an oocyte maturation trigger: a rodent model *Sci Rep* 2019-08-29 [PMID: 31467307] (IF/IHC, Mouse)

Fullerton PT, Monsivais D, Kommagani R, Matzuk MM. Follistatin is critical for mouse uterine receptivity and decidualization. *Proc. Natl. Acad. Sci. U.S.A.* 2017-06-13 [PMID: 28559342] (IHC-P, Mouse)

Kelleher AM, Peng W, Pru JK et al. Forkhead box a2 (FOXA2) is essential for uterine function and fertility *Proc. Natl. Acad. Sci. U.S.A* 2017-01-03 [PMID: 28049832] (IHC-P, Mouse)

Wang TS, Gao F, Qi QR et al. Dysregulated LIF-STAT3 pathway is responsible for impaired embryo implantation in a streptozotocin-induced diabetic mouse model. *Biol Open*. 2015-05-22 [PMID: 26002932] (ICC/IF, IHC-P, Mouse)

Whiteman EL, Fan S, Harder JL et al. *Crumbs3* is Essential for Proper Epithelial Development and Viability. *Mol Cell Biol*. 2013-10-28 [PMID: 24164893] (IF/IHC, ICC/IF, Mouse)

Nallasamy S, Li Q, Bagchi MK, Bagchi IC. *Msx* Homeobox Genes Critically Regulate Embryo Implantation by Controlling Paracrine Signaling between Uterine Stroma and Epithelium. *PLoS Genet*;8(2):e1002500. 2012-02-01 [PMID: 22383889]





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### **Limitations**

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