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Product datasheet for TA368850

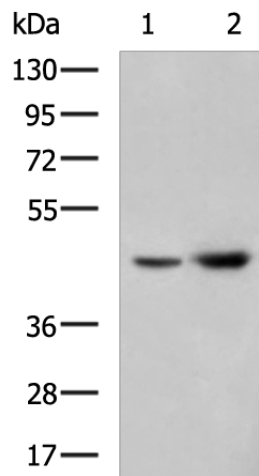## MICA Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: Human placenta tissue, Hela cell lysates IHC: 100-200 Positive control: Human cervical cancer Predicted cell location: Cytoplasm
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human MICA
Formulation:	pH7.4 PBS, 0.05% NaN3, 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C.
Stability:	1 year
Predicted Protein Size:	43 kDa
Gene Name:	MHC class I polypeptide-related sequence A
Database Link:	Entrez Gene 100507436 Human Q29983

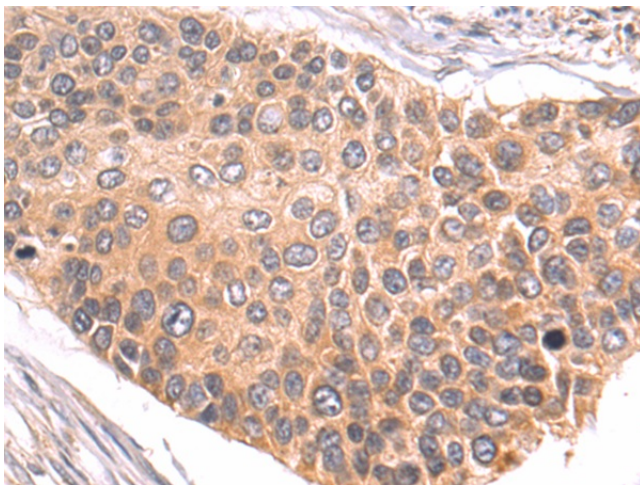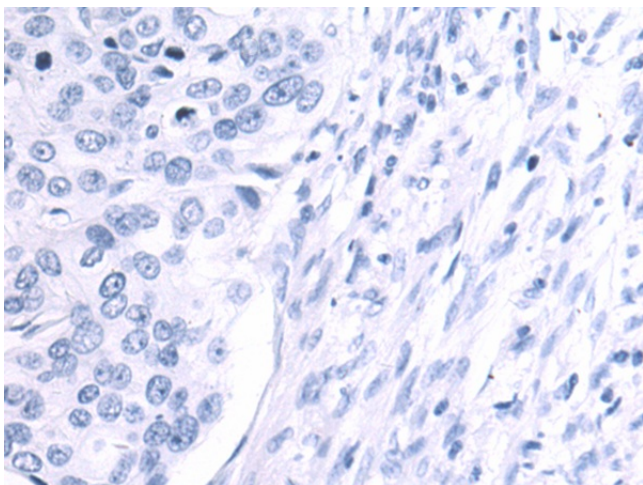**Background:** This gene encodes the highly polymorphic major histocompatability complex class I chain-related protein A. The protein product is expressed on the cell surface, although unlike canonical class I molecules it does not seem to associate with beta-2-microglobulin. It is a ligand for the NKG2-D type II integral membrane protein receptor. The protein functions as a stress-induced antigen that is broadly recognized by intestinal epithelial gamma delta T cells. Variations in this gene have been associated with susceptibility to psoriasis 1 and psoriatic arthritis, and the shedding of MICA-related antibodies and ligands is involved in the progression from monoclonal gammopathy of undetermined significance to multiple myeloma. Alternative splicing of this gene results in multiple transcript variants.

Product images:

Gel: 8%SDS-PAGE
Lysate: 40 μg
Lane 1-2: Human placenta tissue
Hela cell lysates
Primary antibody: TA368850 (MICA Antibody) at dilution 1/700
Secondary antibody: Goat anti rabbit IgG at 1/5000 dilution
Exposure time: 15 seconds

Immunohistochemistry of paraffin-embedded Human cervical cancer tissue using TA368850 (MICA Antibody) at dilution 1/110 (Original magnification: ×200)

Immunohistochemistry of paraffin-embedded Human cervical cancer tissue using TA368850 (MICA Antibody) at dilution 1/110, treated with fusion protein. (Original magnification: ×200)