Product datasheet for TA351033S

CARD4 (NOD1) Rabbit Polyclonal Antibody

Product data:

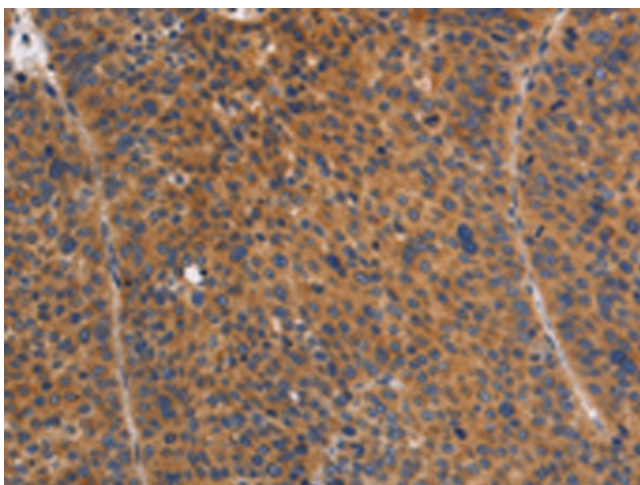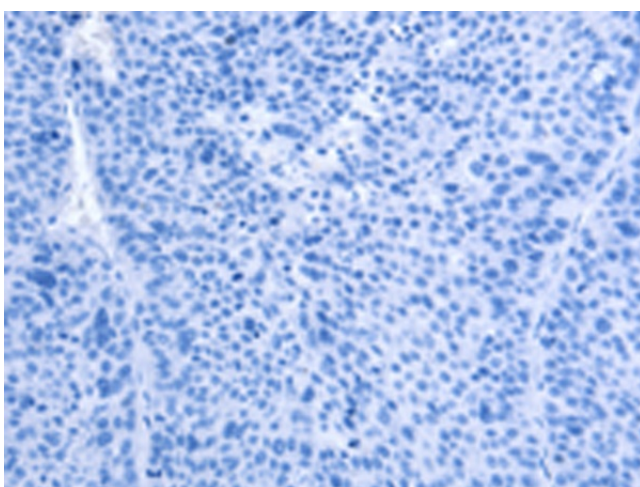|	
Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	IHC: 50-200 Positive control: Human liver cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide of human NOD1
Formulation:	pH7.4 PBS, 0.05% NaN3, 40% Glyceroln
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	nucleotide binding oligomerization domain containing 1
Database Link:	NP_006083 Entrez Gene 107607 MouseEntrez Gene 10392 Human Q9Y239
Background:	This gene encodes a member of the NOD (nucleotide-binding oligomerization domain) family. This member is a cytosolic protein. It contains an N-terminal caspase recruitment domain (CARD), a centrally located nucleotide-binding domain (NBD), and 10 tandem leucine-rich repeats (LRRs) in its C terminus. The CARD is involved in apoptotic signaling, LRRs participate in protein-protein interactions, and mutations in the NBD may affect the process of oligomerization and subsequent function of the LRR domain. This protein is an intracellular pattern-recognition receptor (PRR) that initiates inflammation in response to a subset of bacteria through the detection of bacterial diaminopimelic acid.
Synonyms:	CARD4; CLR7.1; NLRC1

Protein Families: Druggable Genome

Protein Pathways: Epithelial cell signaling in Helicobacter pylori infection, NOD-like receptor signaling pathway
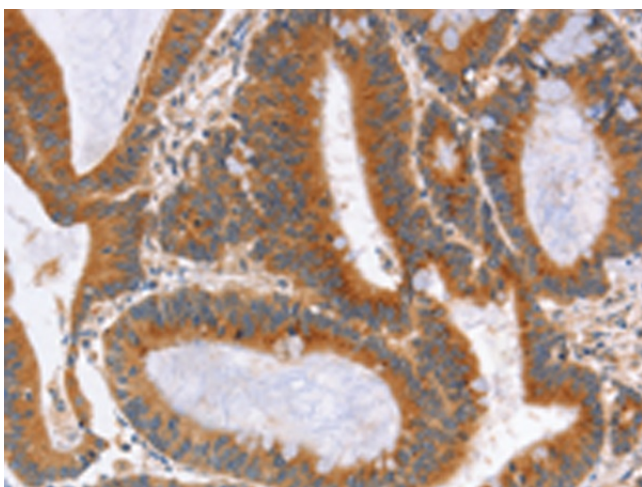
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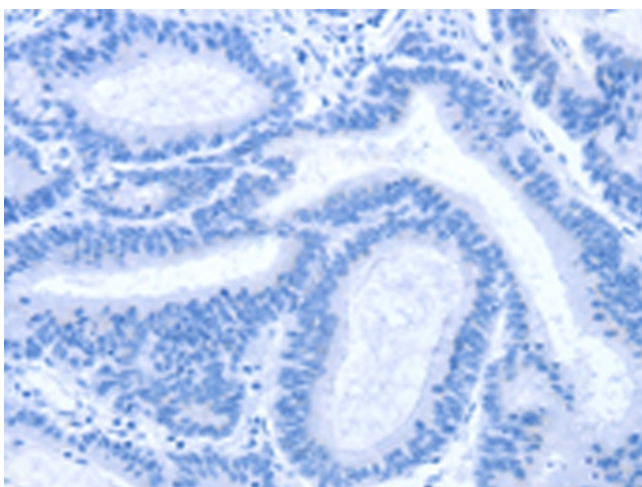

Immunohistochemistry of paraffin-embedded Human liver cancer tissue using [TA351033] (NOD1 Antibody) at dilution 1/50 (Original magnification: ×200)

Immunohistochemistry of paraffin-embedded Human liver cancer tissue using [TA351033] (NOD1 Antibody) at dilution 1/50, treated with synthetic peptide. (Original magnification: ×200)

Immunohistochemistry of paraffin-embedded Human colon cancer tissue using [TA351033] (NOD1 Antibody) at dilution 1/50 (Original magnification: ×200)

Immunohistochemistry of paraffin-embedded Human colon cancer tissue using [TA351033] (NOD1 Antibody) at dilution 1/50, treated with synthetic peptide. (Original magnification: ×200)