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Product datasheet for TA349464

AMIGO2 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: SP20 cells and mouse heart tissue IHC: 50-200 Positive control: Human esophagus cancer Predicted cell location: Cytoplasm and Nucleus
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human AMIGO2
Formulation:	pH7.4 PBS, 0.05% NaN3, 40% Glyceroln
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	58 kDa
Gene Name:	adhesion molecule with Ig-like domain 2
Database Link:	NP_862830 Entrez Gene 105827 MouseEntrez Gene 300186 RatEntrez Gene 347902 Human Q86SJ2

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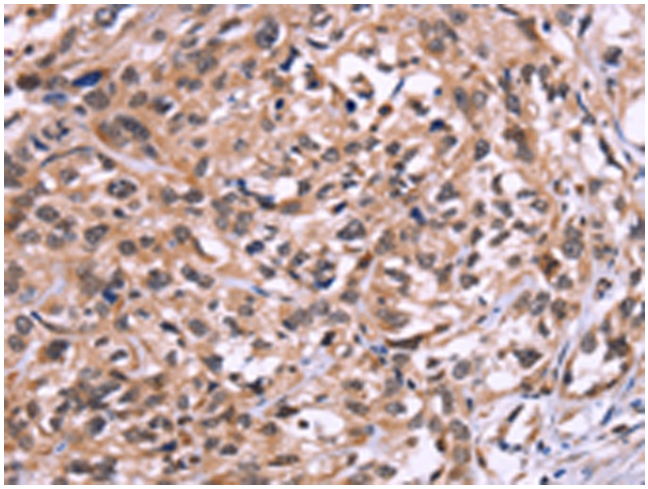
Background: The amphoterin-induced gene and ORF (AMIGO) family of proteins consists of AMIGO-1, AMIGO-2 and AMIGO-3. All three members are single pass type I membrane proteins that contain several leucine-rich repeats, one IgG domain, and a transmembrane domain. The AMIGO proteins are specifically expressed on fiber tracts of neuronal tissues and participate in their formation. The AMIGO proteins can form complexes with each other, but can also bind itself. AMIGO-1, also designated Alivin-2, promotes growth and fasciculation of neurites and plays a role in myelination and fasciculation of developing neural axons. In cerebellar neurons, AMIGO-2 (Alivin-1) is crucial for depolarization-dependent survival. Similar to AMIGO-1 and AMIGO-2, AMIGO-3 (Alivin-3) plays a role in homophilic and/or heterophilic cell-cell interaction and signal transduction

Synonyms: ALI1; AMIGO-2; DEGA

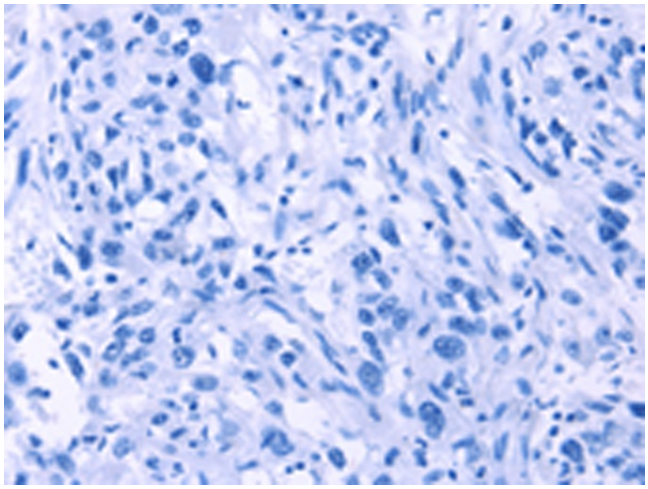
Protein Families: Druggable Genome, Transmembrane

Product images:

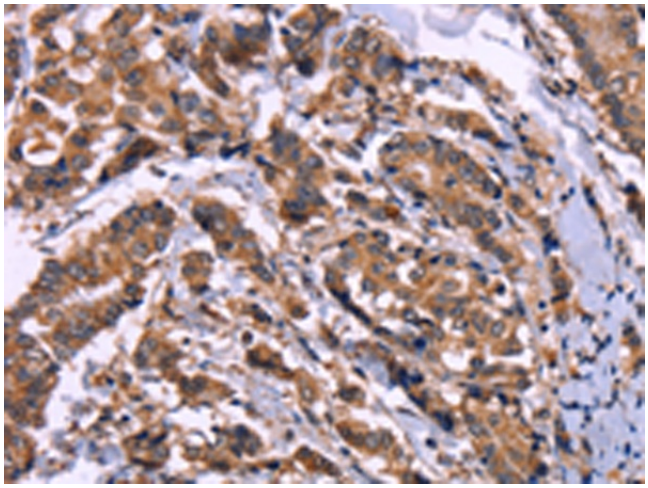
Gel: 6%SDS-PAGE
Lysate: 40 µg
Lane 1-2: SP20 cells
mouse heart tissue
Primary antibody: TA349464 (AMIGO2 Antibody) at dilution 1/615
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution
Exposure time: 2 minutes



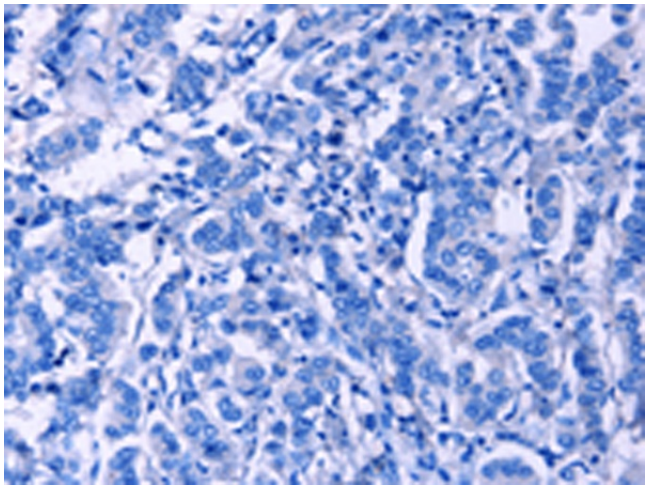
Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using TA349464 (AMIGO2 Antibody) at dilution 1/50 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using TA349464 (AMIGO2 Antibody) at dilution 1/50, treated with fusion protein. (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human breast cancer tissue using TA349464 (AMIGO2 Antibody) at dilution 1/50 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human breast cancer tissue using TA349464 (AMIGO2 Antibody) at dilution 1/50, treated with fusion protein. (Original magnification: ×200)