

Mouse Monoclonal Antibody to

Diversin 1 (FL3)

clone 6G8

Order No.: 0152-100/Div1-6G8
Size (µg) 100
Lot No.: 0152S



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02/140307F

Isotype	Species Reactivity	Applications	Mol. Weight	Ref.Cell Line	Epitope	Immunogen
IgG1	human, mouse, rat, dog	WB, ELISA	75 kDa	SKOV-3	aa 100 - 123	peptide conjugated to hemocyanin

Background and Specificity:

Diversin 1 is a 75 kDa protein that acts in both canonical Wnt and Wnt/JNK signaling. Diversin recruits casein kinase 1 epsilon (CK1ε) to the beta-catenin degradation complex of axin/conductin and GSK3beta, thus leading to N-terminal phosphorylation and subsequent degradation of beta-catenin.

Mab Div-6G8 specifically recognizes Diversin at 75 kDa in Western blot analysis and is also suitable for ELISA applications.

Related Products

- mab to b-catenin (Exon3)**
#0004-100/b-CAT-9G2
 - mab to b-catenin (Core)**
#0005-100/b-CAT-9G10
 - mab to b-catenin (C-Term/Exon14)**
#0002-100/b-CAT-7D8
 - mab to b-catenin (C-Term)**
#0006-100/b-CAT-10H8
 - mab to b-catenin (N-Term/exon2)**
#0003-100/b-CAT-7D11
 - mab to dephospho-b-catenin (aa35-50),**
#0051-100/b-CAT-7A7
 - mab to dephospho-b-catenin (aa27-37),**
#0052-100/b-CAT-8E4
 - mab to phospho-b-catenin (pY86)**
#0123-100/b-CAT-24E1
 - mab to phospho-b-catenin (pY654)**
#0159-100/b-CAT-1B11
- For monoclonal antibodies against alpha-catenin, LEF, TFF3, and E-, M- and N-cadherin, please refer to our website at www.nanotools.de

Purification: The antibody was purified from serum-free cell culture supernatant by subsequent thiophilic adsorption and size exclusion chromatography.

Formulation: liquid; 0.1 mg/ml in PBS/0.09% Na-Azide/PEG and Sucrose/50% Glycerol

Reconstitution:

Stability: Aliquote and store at -20°C up to 1 year.

Avoid repeated freeze/thaw cycles.

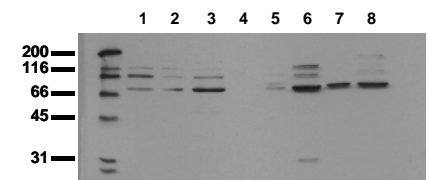
Positive Control: #0991: Cell lysate from untreated SKOV-3 cells.

Immunoblotting: 0.5 µg/ml for HRPO/ECL detection
Recommended blocking buffer: Casein/Tween 20 based blocking and blot incubation buffer, e.g. nanoTools product #3031-500/CPPT or #3031-3000/CPPT.

Immunoprecipitation: ND

Immunocytochemistry: ND

ELISA: 0.1 mg/ml (protein ELISA); capture ELISA: ND



Detection of endogenous Diversin

Whole cell lysates of serum starved tumor cells (20.000 cells per lane) were applied to SDS-PAGE and transferred to a PVDF membrane. The immunoblot was probed with mab Div1-6G8 (0.5 µg/ml) for 1h at RT and developed by ECL (exp. time: 30 sec).

lane 1: A431; lane 2: A549; lane 3: SKOV3; lane 4: OVCAR5; lane 5: HaCaT; lane 6: PC3; lane 7: HeLa; lane 8: HepG2

All products are supplied for research and investigational use only. Not for use in humans or laboratory animals.