OriGene Technologies Inc.

9620 Medical Center Drive, Ste 200
Rockville, MD 20850
UNITED STATES
Phone: +1-888-267-4436
Fax: +1-301-340-8606
techsupport@origene.com

OriGene EU

Acris Antibodies GmbH
Schillerstr. 5
32052 Herford
GERMANY
Phone: +49-5221-34606-0
Fax: +49-5221-34606-11
info@acris-antibodies.com

Monoclonal Antibody to Cytokeratin 8 pSer431 - Purified

Alternate names:	CK8, CYK8, Cytokeratin endo A, Cytokeratin-8, K8, KRT8, Keratin, Keratin-8, type II cytoskeletal 8
Catalog No.:	AM00508PU-N
Quantity:	0.1 mg
Concentration:	0.2 mg/ml
Background:	Keratin 8 belongs to the type B (basic) subfamily of high molecular weight keratins and exists in combination with keratin 18 and other type I keratins. Keratin 8 is primarily found in the non-squamous epithelia and is present in majority of adenocarcinomas and ductal carcinomas. It is absent in squamous cell carcinomas. Hepatocellular carcinomas are defined by the use of antibodies that recognize only cytokeratin polypeptides 8 and 18.
Uniprot ID:	P05787
NCBI:	NP_002264.1
GeneID:	3856
Host / Isotype:	Mouse / IgG1
Recommended Isotype Controls:	SM10P (for use in human samples), AM03095PU-N
Clone:	5B3
Immunogen:	Purified K8/18 purified from okadaic acid treated HT-29 cells (1).
Format:	**State:** Liquid ascites fluid **Purification:** Protein G chromatography **Buffer System:** 10 mM PBS, pH 7.4, with 0.2 % BSA and 0.09 % sodium azide
Applications:	Immunofluorescence (1). Western Blotting (1): 1-2 µg/ml for 2 hrs at RT. Immunoprecipitation: use Protein G, 2 µg/mg protein lysate. Immunohistology (Formalin/paraffin): 2-4 µg/ml for 60 min at RT, staining of formalin-fixed tissues REQUIRES boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 min. Positive Control: Okadaic acid treated HT29 cells. Skin. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognizes keratin 8 phosphorylated on Ser431. **Species:** Human, Mouse. Other species not tested.
Add. Information:	Mol. Wt. of Antigen: ~52.5kDa Cellular Localization: Cytoplasmic and cell membrane (3)

Storage: Store the antibody at 2 - 8 °C up to one month or in aliquots at -20 °C for longer. Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

General Readings:

1. Ku N O, et al. (1997) J Biol Chem, 272:7556-7564.
2. Ku N O, et al. (1997) J Biol Chem, 272:33197-33203.
3. Liao J, et al. (1996) Electrophoresis, 17:1671-1676.
4. Am J Pathol (2000), 156:77-90.