

Mouse Anti-Human Cytokeratin 20,
monoclonal

CatNo **K062**

BatchNo: See Label
Expiration Date: See Label
Storage: 2-8/-20°C

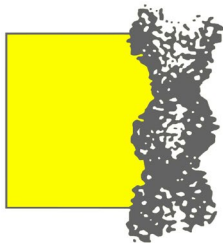
Clone Number:	Ks20.8
Volume/Quantity:	0.5 ml
Product Form:	Tissue culture supernatant - liquid
Preparation:	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
Buffer:	Phosphate buffered saline, pH7.4
Preservatives Stabilisers:	0.09% Sodium Azide (NaN ₃) 0.5% BSA
Immunogen:	Cytoskeletal preparation isolated from microdissected villi of human duodenal mucosa.
Isotype:	IgG2a (Mouse)
Specificity:	K062 antibody reacts with the 46 kD cytokeratin intermediate filament protein as indicated by immunoblotting of cytokeratin-enriched cytoskeletal preparations isolated from villi of duodenal mucosa. Colorectal carcinomas consistently expressed cytokeratin 20 while adenocarcinomas of the stomach expressed cytokeratin 20 to a less degree. Further adenocarcinomas of the gal bladder and bile ducts, ductal cell adenocarcinomas of the pancreas, mucinous ovarian tumours and transitional-cell carcinomas have been found to stain positively with the antibody. Most of the carcinomas from other sides were not positive using the antibody to cytokeratin 20, e.g. adenocarcinomas of the breast, lung and endometrium and non-mucinous tumours of the ovary. A consistently strong staining of Merkel cell carcinomas of the skin with the anti-cytokeratin 20 antibody was seen. This was in striking contrast to the lack of positivity in small cell lung carcinomas and in intestinal and pancreatic neuroendocrine tumour cells.
Species Cross Reactivity:	Human and mouse.

Applications:	Suggested Working Dilution	
FlowCytometry	Not tested	
Immunohistology-frozen	Yes	1/25 – 1/100
Immunohistology-paraffin	Yes	1/25 – 1/100
Immunohistology-resin	Not tested	
ELISA	Not tested	
Immunoprecipitation	Not tested	
Western Blotting	Yes	1/1000 – 1/5000
Radioimmunoassay	Not tested	

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

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Immunohistology

Pre-treatment:	This product requires protein digestion pre-treatment of paraffin sections e. g. Pronase (LINARIS CatNo E110) or heat-induced epitope retrieval.
Recommended Secondary Reagents:	F(ab') ₂ rabbit anti-mouse IgG HRP conjugate - (LINARIS CatNo LST0013B) Vectastain [®] ABC Mouse IgG (Vector CatNo AK-5002) and Substrate-Kit e.g. Vector [®] Red (Vector CatNo SK-5100). Vectastain [®] ABC-Elite Mouse IgG (Vector CatNo PK-6102) and Peroxidase Substrate-Kit e.g. DAB (LINARIS CatNo E108) or HistoGreen (LINARIS CatNo E109).
Recommended Negative Controls:	Mouse IgG2a Negative Control (LINARIS CatNo ITC0929)

References

1. Moll R, et al (1990). Identification of protein IT of the intestinal cytoskeleton as a novel type I cyto keratin with unusual properties and expression patterns. J Cell Biol **111**: 567 – 580.
2. Moll R; et al (1992). cyto keratin 20 in human carcinomas. A new histodiagnostic marker detected by monoclonal antibodies. Am J Pathol **140**: 427 – 447.
3. Moll R, et al. (1982). The catalog of human cyto keratins : patterns of expression in normal epithelia, tumors, and cultured cells. Cell **31**: 11 – 24.

Storage Conditions:	Store at 2-8°C for one month or at -20°C for longer! Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Shelf Life:	12 months from date of despatch.
Health and Safety Information:	(A full Health and Safety assessment is available upon request) This product contains sodium azide: a POISONOUS and HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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For Research purposes only. Not for therapeutic or diagnostic use.

