

## Product datasheet

### anti-Keratin K2 mouse monoclonal, Ks2.398.3.1, supernatant

#### Short overview

<b>Cat. No.</b>	65177
<b>Quantity</b>	1 ml

#### Product description

<b>Host</b>	Mouse
<b>Antibody Type</b>	Monoclonal
<b>Isotype</b>	IgG1
<b>Clone</b>	Ks2.398.3.1
<b>Immunogen</b>	Synthetic peptide (N-terminal amino acids nos. 2-23) of human keratin K2 (MW 65,852)
<b>Formulation</b>	Contains 0.09% sodium azide
<b>Synonym</b>	Cytokeratin 2
<b>Note</b>	Centrifuge prior to opening
<b>Conjugate</b>	Unconjugated
<b>Purification</b>	Hybridoma cell culture supernatant
<b>Storage</b>	Short term at 2-8°C; long term storage in aliquots at -20°C; avoid freeze/thaw cycles
<b>Intended use</b>	Research use only
<b>Application</b>	IHC, WB
<b>Reactivity</b>	Human
<b>No reactivity</b>	Bovine, Mouse, Rat, Xenopus

#### Applications

<b>Immunohistochemistry (IHC) - frozen</b>	1:50-1:250
<b>Immunohistochemistry (IHC) - paraffin</b>	1:50-1:250 (microwave treatment recommended)
<b>Western Blot (WB)</b>	Assay dependent

#### Background

Ks2.398.3.1 represents an excellent marker to study terminal epidermal differentiation. The mab is reactive with epidermal cells in uppermost suprabasal layers including scalp, foot and sole. It recognizes individual cells within epidermis of tongue and mamille (co-localization with keratin K10). It is also reactive on hyperkeratosis of diverse viral and genetic origin.

The mab does not react with palate keratin K76.

Reactive polypeptide: basic human keratin K2 (MW 65,852; formerly also designated cytokeratin 2e).

#### Product images



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	T24	T24T	WB ratio	SILAC ratio	Gene array ratio		T24	T24T	WB ratio	SILAC ratio	Gene array ratio
GSN			1.6	3.6	10.2	CDC2			1.1	0.9	0.9
CUL3			8.0	2.3	1.0	DNMT1			0.8	0.9	0.1
IPO9			1.8	1.8	1.1	MSH6			0.4	0.8	1.1
EGFR			7.3	1.8	10.0	RAB14			0.2	0.8	1.0
NUP133			7.9	1.8	1.1	VDAC			1.5	0.8	1.0
HSP70			1.0	1.4	1.1	CK18			0.5	0.7	0.9
MCM6			3.9	1.3	0.1	CALD			1.2	0.7	0.1
RCC1			1.0	1.3	9.5	CD44			0.2	0.7	0.8
BCAS2			3.2	1.2	1.1	EZR			0.1	0.6	0.7
DNM			1.0	1.2	1.0	MSN			0.8	0.5	0.9
NPM			0.7	1.1	1.0	ANXA2			0.5	0.4	1.0
DCTN			1.5	1.1	1.3	CPNE3			1.4	0.4	1.0
CALR			1.5	1.0	1.1	FLNA			0.2	0.4	0.9
MAPK			1.4	0.9	0.9	CAV1			0.0	0.2	1.0
DDX21			8.0	0.9	9.1	$\alpha$ -Tubulin					

[Grau, L., Luque-Garcia, J. L., et al. A quantitative proteomic analysis uncovers the relevance of CUL3 in bladder cancer aggressiveness. PLoS One. 2013-01-12.](https://doi.org/10.1371/journal.pone.0198112) Species/Reactant: Homo sapiens (Human) Applications: Western Blotting Image collected and cropped by CiteAb from the following publication, provided under a CC-BY licence.