

## Anti-DAPK1 Antibody (8G920)

### Product Details

Ig Type:	IgG2a, $\kappa$
Reactivity:	Human (predicted:Mouse)
Molecular Weight:	Theoretical: 160 kDa. Actual: 160 kDa.
Clone:	8G920
Purification:	Protein G purified

### Applications

Sample:	Lane 1: A549 cell lysates
Verified Activity:	Primary: Anti-DAPK1 (TMAB-04976) at 1/4000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 160 kD Observed band size: 160 kD
Application:	WB
Recommended	WB: 1:500-2000

### Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

### Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human DAPK1
Antigen Species:	Human
Gene ID:	1612
Uniprot ID:	P53355

### Research Background

DAPK1 expression is frequently lost in human carcinomas and B-cell leukemia, and lower levels of expression correlates with high rates of metastasis. The loss of DAPK expression provides a link between suppression of apoptosis and metastasis. DAPK1 is thought to be involved in an early apoptotic checkpoint which eliminates premalignant cells from cancer formation. Studies in bladder cancer patients have also shown that hypermethylation of DAPK1 correlates to high recurrence rates and thus DAPK1 may be used as a prognostic marker. DAPK1 is also reportedly a molecular regulator of neuronal death in epilepsy.

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