

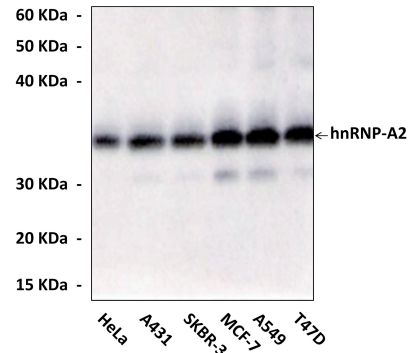
BACKGROUND

The heterogeneous nuclear ribonucleoproteins (hnRNPs) are a large family of nucleic acid binding proteins that are often found in, but not restricted to, the 40S-ribonucleoprotein particle. Subsets of hnRNPs are strictly nuclear while others shuttle between the nucleus and cytoplasm.¹ hnRNP complexes are also major constituents of the spliceosome. They are composed of approximately 30 different proteins, which can bind to nascent pre-mRNA. Members of the hnRNP family have been implicated in many aspects of mRNA maturation/turnover, and in telomere and telomerase regulation. Among these, the hnRNP-A/B proteins form a subgroup of highly related proteins consisting of two adjacent RNA binding domains (RBD) within the N-terminal parts, whereas the C-terminal halves contain almost 50% glycine residues.² hnRNP A2/B1 has been found overexpressed in the early stages of lung and other cancers.^{3,4} Thus, hnRNP-A2/B1 can be a marker of carcinogenesis.

References:

1. Ford, LP et al., Oncogene 21:580, 2002.
2. Steiner, G et al., Mol Biol Rep 23:167, 1996.
3. Zhou, J. et al., Lung Cancer. 34:341, 2001.
4. Zhou, J. et al., Breast Cancer Res Treat. 66:217, 2001.

QUALITY CONTROL DATA



Specific detection of hnRNP-A2/B1 proteins from various cell lysates in Western blot analysis using hnRNP-A2/B1 Monoclonal Antibody (8G26).

TECHNICAL INFORMATION

Source: Anti-hnRNP-A2/B1 is a mouse monoclonal antibody raised against recombinant human hnRNP-A2/B1 protein.

Specificity and Sensitivity: Anti-hnRNP-A2/B1 reacts specifically with human hnRNP-A2/B1 in Western Blot applications.

Storage Buffer: PBS and 30% glycerol.

Storage: Store at -20°C for at least one year. Store at 4°C for frequent use. Avoid repeated freeze-thaw cycles.

APPLICATIONS

Application:	*Dilution:
WB	1:1000
IP	n/d
IHC	n/d
ICC	n/d
FACS	n/d

**Optimal dilutions must be determined by end user.*

