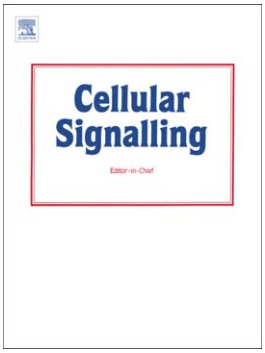

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Keywords: Brd2, insulin resistance, inflammation, insulin signaling pathway, mTOR signaling

Abbreviations: ACM: adipocyte-conditioned medium; BET: bromodomain and extraterminal;Brd2:bromodomain-containing protein 2 ;WT: wild-type; SWI/SNF: switch mating type/sucrose non-fermenting; Deptor: DEP domain containing mTOR-interacting protein; mTOR: mechanistic target of rapamycin; FFA, free fatty acid; GTT, glucose tolerance test; ITT, insulin tolerance test; NF-κB: nuclear factor-κB; mTORC: mTOR complex; WAT: white adipose tissue.